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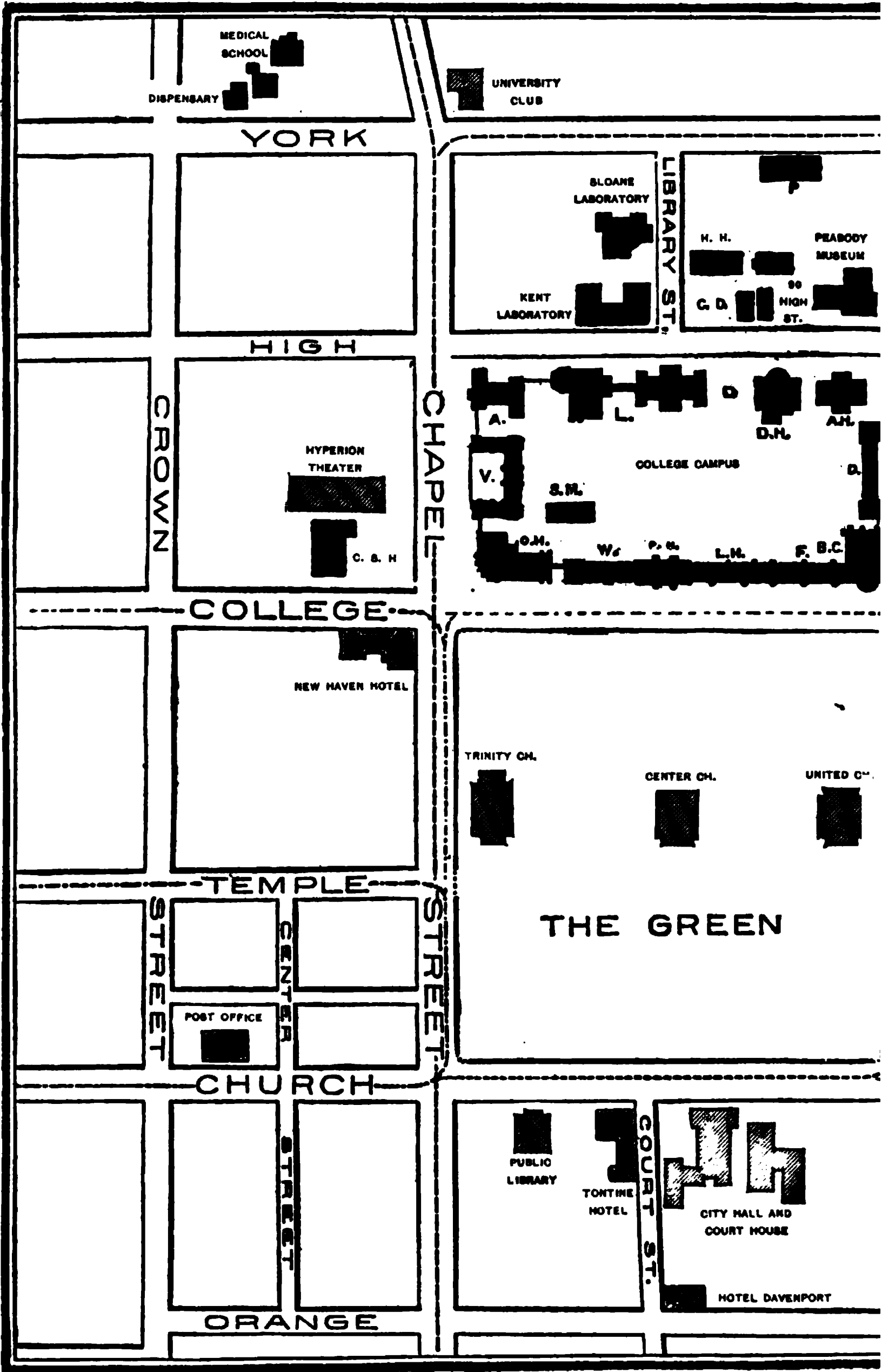








LOCATION OF THE YAL



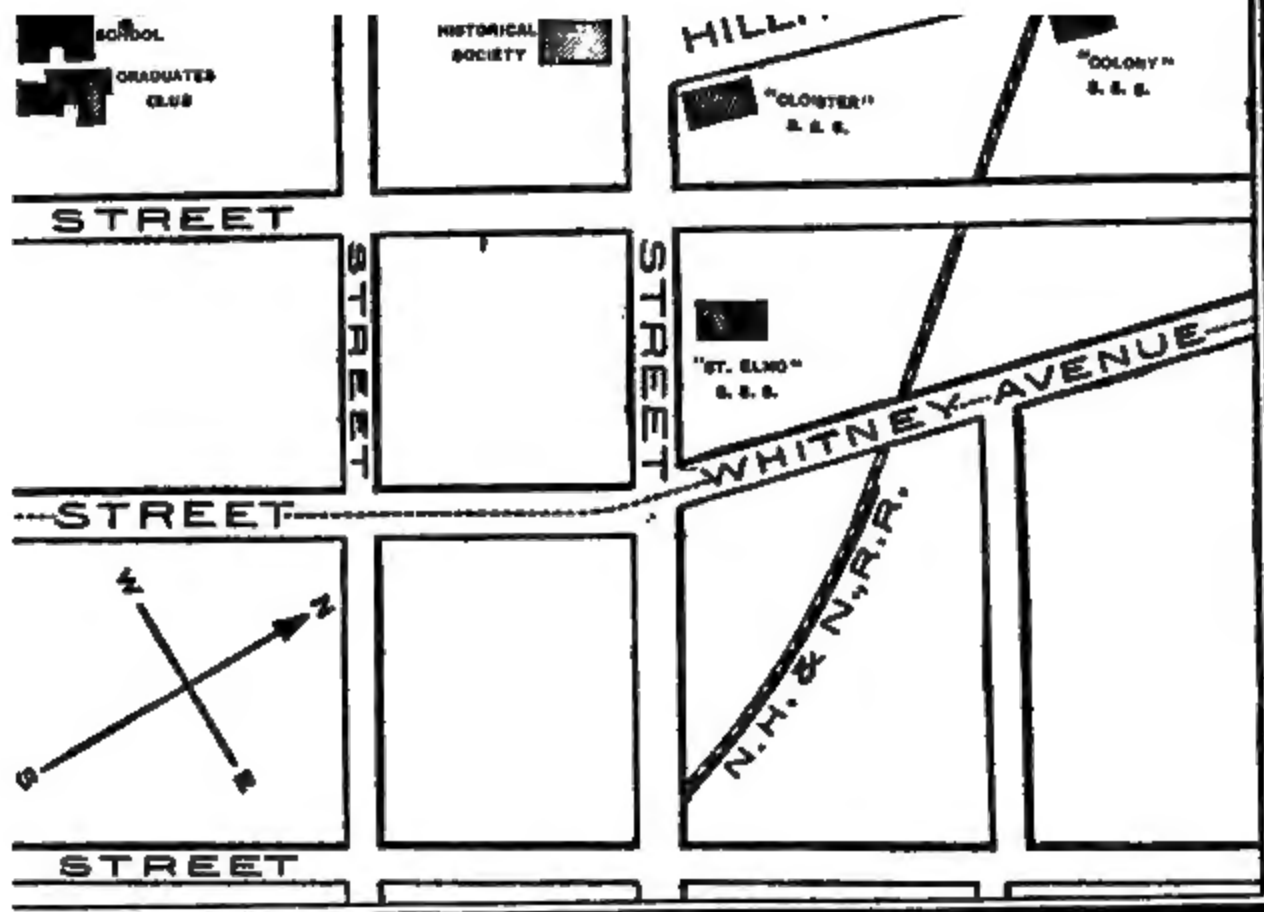
# UNIVERSITY BUILDINGS.

Scale, 1 in = 400 ft.



## ABBREVIATIONS

- UNIVERSITY BUILDINGS
- OTHER



CATALOGUE  
OF  
YALE UNIVERSITY

1902-1903

NEW HAVEN  
THE TUTTLE, MOREHOUSE & TAYLOR COMPANY  
1902





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## OFFICE HOURS

The **PRESIDENT OF THE UNIVERSITY**—Woodbridge Hall, 8.30 A. M. to 1 P. M. (Students not having a previous appointment are advised to call between 10.15 and 11.15.)

The **SECRETARY OF THE UNIVERSITY**—Woodbridge Hall, 9.30 A. M. to 1 P. M.

The **TREASURER OF THE UNIVERSITY**—Woodbridge Hall, 9 A. M. to 4 P. M. (Treasurer's hours, 9 A. M. to 1 P. M.)

---

**ACADEMICAL DEPARTMENT (Yale College)**—The **DEAN**, 135 Elm st., 10.30 A. M. to 1 P. M.

**SHEFFIELD SCIENTIFIC SCHOOL**—The **DIRECTOR**, 3 Sheffield Hall, daily, except Friday, 9 A. M. to 12 M.

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**SCHOOL OF THE FINE ARTS**—The **DIRECTOR**, 10 A. M. to 1 P. M.

**DEPARTMENT OF MUSIC**—Prof. Parker, 126 College st., Wednesday 12 M. to 1 P. M.

**DEPARTMENT OF FORESTRY**—The **DIRECTOR**, 360 Prospect st., Monday, Tuesday, Friday, 8 A. M. to 10 A. M.; Wednesday, Thursday, 10 A. M. to 12 M.; Saturday, 9 A. M. to 11 A. M.

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**OBSERVATORY**—The **DIRECTOR**, The Observatory, cor. Prospect and Canner streets, 11 A. M. to 1 P. M.

---

**COLLEGE BURSAR'S OFFICE**—1 Phelps Hall, 9 A. M. to 3 P. M.

**BUREAU OF SELF HELP**—4 Phelps Hall, 9.30 A. M. to 12.30 P. M.

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## CATALOGUES

The **CATALOGUE OF YALE UNIVERSITY** is published in December. Price, fifty cents; by mail, sixty-five cents. (A copy will be sent free of charge to any graduate desiring it.)

The **TRIENNIAL CATALOGUE** was last issued in October, 1901. Price fifty cents; by mail, sixty cents. (A copy will be sent to any graduate desiring it, on receipt of the postage.)

The **DIRECTORY OF LIVING GRADUATES** was last issued in October, 1901. Price, one dollar. (Distribution limited at the discretion of the officers of the University.)

The **PAMPHLET** of any Department of the University is furnished without charge.

The **UNIVERSITY BULLETIN**, published weekly in term time and containing announcements of lectures, prizes, etc., is posted on local bulletin boards, and sent to subscribers for one dollar a year.

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For Catalogues and general information, address **THE SECRETARY OF YALE UNIVERSITY, YALE STATION, NEW HAVEN, CONNECTICUT.**

**ABBREVIATIONS** are given on page 675.

To find the position, address or elective courses of any officer, consult page references in **DIRECTORY**, at the back of this Catalogue.

## 1909

[illegible]

## 1904

JUNE.		MAY.		APR.		MAR.		FEB.		JAN.	
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	1	2	3	4	5
6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27	28	29
30	31	1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	1	2	3
4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	1
2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	1	2	3	4	5	6
7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27	28	29	30
31	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	1	2	3	4
5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19	20	21
22	23	24	25	26	27	28	29	30	31	1	2
3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29	30	31

## CALENDAR

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### 1902

25 Sept.	Thursday	FIRST TERM begins.
2 Oct.	Thursday	First Term, Medical School, begins.
26 Nov.	Wednesday	THANKSGIVING RECESS begins, 1.20 P. M.
28 Nov.	Friday	RECESS ends, 8 A. M.
17 Dec.	Wednesday	FIRST TERM ends.

### Winter Vacation

### 1903

7 Jan.	Wednesday	SECOND TERM begins.
2 April	Thursday	Junior Exhibition.
8 April	Wednesday	SPRING RECESS begins, 1.20 P. M.
16 April	Thursday	RECESS ends, 8 A. M.
1 May	Friday	John A. Porter Prize Essays due.
6 May	Wednesday	Berkeley Scholarship Examination.
18 May	Monday	Woolsey Scholarship Examination begins.
18 May	Monday	Winthrop Prize Examination begins.
30 May	Saturday	Memorial Day.
1 June	Monday	School of the Fine Arts, term ends.
3 June	Wednesday	Anniversary of the Divinity School.
19 June	Friday	DeForest Prize Speaking.
20 June	Saturday	Scientific School Class-Day Exercises.
21 June	Sunday	Baccalaureate Sermon.
22 June	Monday	College Class-Day Exercises.
22 June	Monday	Anniversary of the Law School.
23 June	Tuesday	Anniversary Meeting of the Alumni.
23 June	Tuesday	Anniversary of the Medical School.
24 June	Wednesday	COMMENCEMENT.
25 June	Thursday	Examinations for admission begin.

### Summer Vacation

21 Sept.	Monday	Examinations for admission begin.
24 Sept.	Thursday	FIRST TERM begins.
16 Dec.	Wednesday	FIRST TERM ends.

## CHRONOLOGICAL TABLE

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Meeting of Ministers in Branford, for founding a College	1700-1701
Charter of the Collegiate School of Connecticut . . . . .	1701
Organization under the Charter . . . . .	1701
Beginning of instruction at Saybrook . . . . .	1702
Removal to New Haven . . . . .	1716
The Collegiate School named Yale College . . . . .	1718
Revised Charter . . . . .	1745
Act of the General Assembly of Connecticut by which State Officers became members of the Corporation . . . . .	1792
Charter of the Medical School . . . . .	1810
Beginning of instruction in the Medical School . . . . .	1813
Charter confirmed by new Constitution of the State . . . . .	1818
Beginning of instruction in the Divinity School . . . . .	1822
Law School affiliated to the College . . . . .	1824
Graduate Courses in Philosophy and the Arts organized . . . . .	1846
Scientific section of the Department of Philosophy and the Arts named the Sheffield Scientific School . . . . .	1861
School of the Fine Arts established . . . . .	1866
Act of the General Assembly providing for the election of six members of the Corporation by the Alumni . . . . .	1871
Act of the General Assembly authorizing the name Yale University . . . . .	1887
Department of Music established . . . . .	1894
Forest School established . . . . .	1900
Bicentennial Celebration . . . . .	1901

**PART I**

**OFFICERS OF THE UNIVERSITY**





# CORPORATION

---

## PRESIDENT

ARTHUR TWINING HADLEY, LL.D.

## FELLOWS

HIS EXCELLENCY THE GOVERNOR OF CONNECTICUT

HIS HONOR THE LIEUTENANT GOVERNOR OF CONNECTICUT

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—1906

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HENRY FARNAM DIMOCK, M.A., NEW YORK CITY—1905

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REV. JAMES WESLEY COOPER, D.D., NEW BRITAIN

ELI WHITNEY, M.A., NEW HAVEN—1907

HENRY BRADFORD SARGENT, PH.B., NEW HAVEN—1908

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ALFRED LAWRENCE RIPLEY, M.A., BOSTON, MASSACHUSETTS  
—1903

REV. CHARLES EDWARD JEFFERSON, D.D., NEW YORK CITY

---

## SECRETARY

REV. ANSON PHELPS STOKES, JR., M.A.

## TREASURER

MORRIS FRANK TYLER, M.A., LL.B.

## AUDITOR

WILBUR FISK DAY

\* A date indicates the year in which the term of a Fellow, elected by the Alumni, expires.

# COMMITTEES OF THE CORPORATION

---

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REV. CHARLES RAY PALMER, D.D.  
HENRY FARNAM DIMOCK, M.A.  
REV. JAMES WESLEY COOPER, D.D.  
ELI WHITNEY, M.A.  
ALFRED LAWRENCE RIPLEY, M.A.

---

THE SECRETARY OF THE UNIVERSITY, *Secretary*

---

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THE TREASURER OF THE UNIVERSITY  
REV. CHARLES RAY PALMER, D.D.  
ELI WHITNEY, M.A.

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ANSON PHELPS STOKES, JR., M.A., *Secretary*  
MORRIS FRANK TYLER, M.A., LL.B., *Treasurer*

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WILLIAM MILTON HESS, PH.D., *Recorder*  
CECIL KITTREDGE BANCROFT, B.A., *Chairman of the Freshman Faculty*

### Sheffield Scientific School

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SIDNEY IRVING SMITH, M.A., *Class Officer, Junior Class*  
ROBERT NELSON CORWIN, PH.D., *Class Officer, Freshman Class*

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### School of the Fine Arts

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SAMUEL SIMONS SANFORD, M.A. (absent) } *Charge*

### Department of Forestry

HENRY SOLON GRAVES, M.A., *Director*

### Department of Theology

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### Department of Medicine

HERBERT EUGENE SMITH, M.D., *Dean*

### Department of Law

FRANCIS WAYLAND, LL.D., *Dean*  
THEODORE SALISBURY WOOLSEY, LL.B., M.A., *Acting Dean*  
WILLIAM FREDERICK FOSTER, D.C.L., *Secretary*

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PROFESSOR PERRIN

PROFESSOR SEYMOUR  
PROFESSOR ADAMS

## Sheffield Scientific School

PROFESSOR CHITTENDEN

PROFESSOR LOUNSBURY

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## The Graduate School

PROFESSOR PHILLIPS

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PROFESSOR PARKER

PROFESSOR SANFORD (absent)

## Department of Forestry

PROFESSOR GRAVES

## Department of Theology

PROFESSOR SANDERS

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PROFESSOR SMITH

PROFESSOR CARMALT

## Department of Law

PROFESSOR WOOLSEY

PROFESSOR BALDWIN

## Athletic Organizations

MR. CAMP

THE SECRETARY OF THE UNIVERSITY, *Secretary*

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---

In the lists which follow, the Officers of Instruction and Administration in the University are divided into five groups, as follows :

PROFESSORS, including other officers on permanent University appointments.

ASSISTANT PROFESSORS, and officers of equivalent rank.

INSTRUCTORS, including Tutors, Demonstrators and Lecturers.

ASSISTANTS IN INSTRUCTION.

ASSISTANTS IN ADMINISTRATION.

Names are arranged alphabetically in each of these lists, except in the first, where the order is based on collegiate seniority.

---

## PROFESSORS

---

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125 College st.

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47 Hillhouse av.

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175 Whitney av.

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14 Trumbull st.

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*Norton Professor of Agriculture* (4 S. H.) 418 Orange st.

JOEL SUMNER SMITH, B.A.

*Assistant Librarian* (Library) 257 St. Ronan st.

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Longmeadow, Mass.

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*Durfee Professor of History* (207 D.) 86 Trumbull st.

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*Secretary of the Observatory* Observatory pl.

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*Professor of Practical Theology* (601 E. D.) 146 Cottage st.

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A.

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*Silliman Professor of Geology*

(Herrick Hall) 282 Prospect st.

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BERNADOTTE PERRIN, PH.D., LL.D.

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*Treasurer of the University*

(WOOD.) 33 College st.

HON. WILLIAM KNEELAND TOWNSEND, D.C.L.

*Edward J. Phelps Professor of Contracts, Patents, and  
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148 Grove st.

THEODORE SALISBURY WOOLSEY, LL.B., M.A.

*Professor of International Law*

250 Church st.

THOMAS HUBBARD RUSSELL, M.D.

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WILLIAM BRONSON CRAMER, PH.B. <i>Assistant in Chemistry</i>	57 Prospect st.
WILLIAM HANFORD CROWE, M.D. <i>Clinical Assistant in Ophthalmology</i>	106 Whalley av.
ARTHUR LYMAN DEAN, PH.D. <i>Assistant in Plant Physiology</i>	140 Shelton av.
SAMUEL WILLIAM DUDLEY, PH.B. <i>Assistant in Descriptive Geometry</i>	Westville
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RALPH SCHUYLER GOODWIN, JR., M.D. <i>Clinical Assistant in Pediatrics</i>	1179 Chapel st.
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*Assistant in Chemistry* 162 S. L.
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*Assistant in Neurology* 145 Olive st.
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<i>Assistant in English</i>		378 Crown st.
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<i>Clinical Assistant in Pediatrics</i>		122 Olive st.
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Young Men's Christian Association* 128 York st.

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GRACE A. BEEBE, PH.B., <i>Graduate Scholar</i>	23 Prince st.
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\* Deceased, November 15, 1902.

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ROBERT B. GIBSON, Ph.B., <i>Sheffield Graduate Scholar</i>	18 Trumbull st.
RALPH D. GILBERT, B.S., <i>Graduate Scholar</i>	Kent Laboratory
BENJAMIN S. GOWEN, B.A., M.A., <i>Eldridge Fellow in the Academical Department</i>	486 Elm st.
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ISAO HATA, B.L., <i>Graduate Scholar</i>	561 Howard av.
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WILLIAM S. JOHNSON, B.A., <i>Graduate Scholar</i>	311 York st.
RALPH W. LANGLEY, Ph.B., <i>Sheffield Graduate Scholar</i>	229 Blatchley av.
FREDERICK LENT, B.A., B.D., M.A., <i>University Fellow</i>	129 Dwight st.

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DAVID F. MCFARLAND, B.A., M.A., <i>University Fellow</i>	22 Whalley av.
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REST F. SMITH, B.A., <i>Eldridge Fellow in the Academical Department</i>	47 Lake pl.
WILLIAM O. STEVENS, B.A., <i>University Fellow</i>	139 Dwight st.
JAY T. STOCKING, B.A., B.D., <i>Hooker Fellow in the Theological Department</i>	Berlin, Germany
HENRY C. THACHER, B.A., <i>Cuyler Fellow in the Academical Department</i>	652 E. D.
CHARLES S. THOMPSON, B.A., <i>Graduate Scholar</i>	89 S. M.
ELBERT N. S. THOMPSON, B.A., <i>Macy Fellow in the Academical Department</i>	95 Whalley av.
NORMAN C. THORNE, B.A., <i>Cuyler Fellow in the Academical Department</i>	131 Dwight st.

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**PART II**

**GOVERNMENT OF THE UNIVERSITY**



# GOVERNMENT OF THE UNIVERSITY

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN," or "YALE UNIVERSITY"; the powers of this body have been granted and confirmed in the following order.

## CHARTER OF THE COLLEGIATE SCHOOL

THE COLLEGIATE SCHOOL OF CONNECTICUT, subsequently named YALE COLLEGE, and now called YALE UNIVERSITY, was founded by the combined action of a few of the ministers in Connecticut, who obtained in October, 1701, a Charter from the Colony Legislature, which runs as follows:—

### AN ACT FOR LIBERTY TO ERECT A COLLEGIATE SCHOOL.

**W**HEREAS several well disposed, and Publick spirited Persons of their sincere regard to & Zeal for upholding & Propagating of the Christian Protestant Religion by a succession of Learned & Orthodox men have expressed by Petition their earnest desires that full Liberty and Priveledge be granted unto certain Undertakers for the founding, suitably endowing & ordering a Collegiate School within his Maj<sup>ties</sup> Colony of Connecticut wherin Youth may be instructed in the Arts & Sciences who thorough the blessing of Almighty God may be fitted for Publick employment both in Church & Civil State. To the intent therefore that all due incouragement be Given to such Pious Resolutions and that so necessary & Religious an undertakeing may be sett forward, supported and well managed:—

BE IT ENACTED by the Govern<sup>r</sup> & Company of the s<sup>d</sup> Colony of Connecticut in General Court now Assembled, And it is enacted & ordained by the Authority of the same that there be & hereby is full Liberty, Right and Priveledge Granted unto the Reverend Mr. James Noyes of Stonnington, Mr. Israel Chauncey of Stratford, Mr. Thomas Buckingham of Saybrook, Mr. Abraham Pierson of Kennelworth, Mr. Samuel Mather of Windsor, Mr. Samuel Andrew of Milford, Mr. Timothy Woodbridge of Hartford, Mr. James Pierpont of New Haven, Mr. Noadiah Russel of Middletown, Mr. Joseph Webb of Fairfield, being Rev<sup>rs</sup> Ministers of the Gospel & inhabitants within y<sup>e</sup> s<sup>d</sup> Colony,

proposed to stand as Trustees, Partners or Undertakers for the s<sup>d</sup> School, to them and their successors, To ERECT, form, direct, order, establish, improve and att all times in all suitable wayes for the future to encourage the s<sup>d</sup> School in such convenient place or Places, & in such form & manner & under such orders & Rules as to them shall seem meet & most conducive to the afores<sup>d</sup> end thereof, so as such Rules or Orders be not repugnant to the Laws of the Civil Govern<sup>t</sup>, as also to employ the moneys or any other estate which shall be Granted by this Court or otherwise Contributed to that use according to their discretion for the benefit of the s<sup>d</sup> Collegiate School from time to time & att all times henceforward.

And be it further ENACTED by the Authority afores<sup>d</sup> that the before named Trustees, Partners or Undertakers together with such others as they shall associate to themselves (not exceeding the number of Eleven, or att any time being less than Seven. Provided also that Persons nominated or associated from time to time to fill up s<sup>d</sup> number be ministers of the gospel inhabiting within this Colony & above the Age of forty years) or the major Part of them, the s<sup>d</sup> M<sup>r</sup>. James Noyes, [etc.] undertakers, & of such Persons so chosen & associated as aboves<sup>d</sup> att any time hereafter, HAVE and shall have henceforward the oversight, full & compleat Right, Liberty, power & Priveledge to furnish, direct, manage, order, improve & encourage from time to time & in all times hereafter the s<sup>d</sup> Collegiate School so Erected & formed by them in such ways, orders & manner & by such Persons, Rector or Master and officers appointed by them, as shall according to their best discretion be most conducive to attaine the afores<sup>d</sup> mentioned end thereof. . . . .

It is also further Enacted by the Authority afores<sup>d</sup> that the s<sup>d</sup> Undertakers & Partners & their successors be & hereby are further empowered to have, accept, acquire, purchase or otherwise lawfully enter upon Any Lands, Tenements & Hereditam<sup>ts</sup> to the use of the s<sup>d</sup> School, not exceeding the value of five hundred Pounds p<sup>r</sup> Anñ, & any Goods, Chattels, Sum or Sums of money whatsoever as have heretofore already been Granted, bestowed, bequeathed or given, or as from time to time shall be freely given, bequeathed, devised or settled by any Person or Persons whatsoever upon & to & for the use of y<sup>e</sup> s<sup>d</sup> School towards the founding, erecting or endowing the same, & to sue for, Recover & receiv all such Gifts, Legacies, bequests, annuities, Rents, issues & profits arising therefrom & to imploy the same accordingly, & out of y<sup>e</sup> estate, Revenues, Rents, profits, incomm accrueing & belonging to s<sup>d</sup> School to support & pay as the s<sup>d</sup> Undertakers shall agree & see cause, the s<sup>d</sup> Rector or Master, Tutors, Ushers or other officers their Respective annual Salaries or Allowances. As also for the encouragem<sup>t</sup> of the Students to grant degrees or Licences as they or those deputed by them shall see cause to order & appoint.

Under this Charter the Collegiate School was begun in November, 1701, at Saybrook, where it continued until its removal to New Haven, in October, 1716. In September, 1718, the name of YALE COLLEGE was given by the Trustees to the School, in honor of the benefactions of ELIHU YALE, of London, lately Governor of the East India Company's settlement at Madras.

#### ADDITIONAL ACT OF 1723

In 1723 an "ACT IN EXPLANATION OF AND ADDITION TO THE ACT FOR ERECTING A COLLEGIATE SCHOOL" was passed by the General Assembly, with the following provisions :—

WHEREAS Pursuant to the Powers and Priviledges granted to Certain Trustees for Erecting a Collegiate School in this Colony Entituled an Act for a Collegiate School, the Said Trustees have Erected the said School in the Town of New-Haven which School is now known by the Name of Yale Colledge; And Whereas it appears to this Assembly that an Explanation and Enlargement of the powers and priviledges granted by Said Act is Necessary for the Carrying on the Affairs of the Said Colledge, for want of which it has Laboured under great difficulties very much to the prevention of that Order and good Education which is to be desired there :

Bee it therefore Enacted by the Governour, Council and Representatives in Generall Court assembled and by the Authority of the Same that the Said Act which provides that the Number of the Said Trustees be not under Seven nor above Eleven is not to be Understood or Taken so as to be restrictive of the power of the Said Trustees Never to Choose any person to be a Trustee, when there is of Such persons as have been Chosen and Acted as Trustees Eleven persons Living in the Colony or Elsewhere, but that in Case any person so Chosen be by Providence Incapacitated from attending that Service or shall himself decline the Same thro' the Necessity of his own Affairs or for any other such Reason as he shall Judge requisite, the Trustees in any of their Meetings Lawfully Called may be Understood to have and it is hereby Enacted and declared that they shall be Taken to have full power by the Majority of Such Meeting to proceed to the Choice of Another Trustee in the Room of any such person. And it is hereby further declared and Enacted to be the True Intent and Meaning of the Act afores<sup>d</sup> that the said Trustees shall be Impowered and they are hereby declared to have power to Meet Together for Considering, Advising

about and Resolving upon all Matters belonging to the Trust of the Said Colledge committed unto them as afores<sup>d</sup> and to Agree and Conclude, Order and determine Concerning them by the Majority of the Said Meeting, and by the same Majority to Choose and Appoint a Clerk who shall, in a fair book prepared for that End, Register and Carefully preserve the Acts of all such Meetings.

And WHEREAS it has been doubted what Number of the Said Trustees may be Lookt upon as a Sufficient or full Meeting, Inasmuch as there is not in the afores<sup>d</sup> Act any Express mention made of any Meeting of the said Trustees; It is therefore to prevent all Scruple of that kind for the future hereby provided and declared that due Notice being given to the Trustees by Consent of any three of them of a Meeting of the Trustees desired at any Time or place, and Seven or more of the Trustees present at such Time and place shall be Esteemed a full Meeting. And it is hereby declared and Enacted that in all such Meetings, so Called, or Otherwise as the said Trustees in any such Meeting shall agree, all affairs under the Care of the said Trustees shall be determined by the majority of such meeting.

And WHEREAS it has been found Inconvenient that in the Election of Persons to be Trustees, the Trustees Election by the afores<sup>d</sup> Act should be Limited and restrained so as that the Person who shall be Chosen must Necessarily be forty Years of age ; It is hereby declared and Enacted that for the future the said Trustees in any Election of a person into that Trust shall not be Esteemed or held Obligated by said Act to Choose such a person as shall be above forty Years of Age, but may Choose such a person otherwise Qualified According to said Act, Provided he is thirty Years of Age. And it is further hereby Allowed, Enacted, Granted and Provided that whosoever shall be Chosen and made a Rector of the said Colledge shall by Virtue thereof become a Trustee of the same and be so Esteemed and Taken during his Continuance in the said Rectorship.

#### CHARTER OF YALE COLLEGE

In 1745 a thoroughly revised Charter was granted by the Assembly ; the provisions of permanent interest are as follows :—

*An ACT for the more full and complete Establishment of YALE COLLEGE in NEW HAVEN, and for enlarging the Powers and Privileges thereof.*

WHEREAS upon the Petition of several well-disposed and public-spirited Persons expressing their desire that full Liberty and Privilege might be granted unto Certain Undertakers for the founding, suitably endowing and ordering a *Collegiate School*, within this Colony,

wherein Youth might be instructed in the Arts and Sciences, the Governor and Company of the said Colony in General Court assembled at *New Haven*, on the Ninth Day of October, in the Year of our Lord 1701, Granted unto the Rev'd Messrs. *James Noyes* [etc.], who were proposed to stand as Trustees, Partners, or Undertakers for the Society, and to their Successors, full Liberty, Right and Privilege to erect, form, direct, order, establish, improve, and at all Times in all suitable Ways to encourage the said School in some convenient Place in this Colony, and granted sundry Powers and Privileges for the attaining the End aforesaid ;

*And Whereas* the said Trustees, Partners or Undertakers in pursuance of the aforesaid Grant, Liberty and License, founded a *Collegiate School* at *New Haven*, known by the Name of YALE COLLEGE, which has received the favorable Benefactions of many Liberal and piously disposed Persons, and under the Blessing of Almighty God has trained up many worthy Persons for the Service of God in the State as well as in the Church ;

*And Whereas* the General Court of this Colony assembled at *New Haven*, the Tenth day of October, in the Year of our Lord 1723, did explain and enlarge the aforesaid Powers and Privileges granted to the aforesaid Partners, Trustees or Undertakers and their Successors, for the Purpose aforesaid ; as by the respective Acts, reference thereto being had, more fully and at large may appear ;

*And Whereas* the Rev'd Messrs. *Thomas Clap*, *Samuel Whitman*, *Jared Eliot*, *Ebenezer Williams*, *Jonathan Marsh*, *Samuel Cooke*, *Samuel Whittelsey*, *Joseph Noyes*, *Anthony Stoddard*, *Benjamin Lord*, and *Daniel Wadsworth*, the present Trustees, Partners and Undertakers of the said School, and Successors of those beforementioned, have petitioned, that the said School, with all the Rights, Powers, Privileges and Interests thereof, may be confirmed, and that such other additional Powers and Privileges may be granted as shall be necessary for the Ordering and Managing the said School, in the most advantageous and beneficial Manner for the promoting all good Literature in the present and succeeding Generations : Therefore,

THE GOVERNOR and COMPANY of his Majesty's said English Colony of *Connecticut* in General Court assembled, this Ninth Day of *May*, in the Year of our Lord 1745, enact, ordain, and declare, and by these Presents it is enacted, ordained, and declared—

That the said *Thomas Clap* [etc.], shall be an *Incorporate Society* or *Body Corporate and Politic*, and shall hereafter be called and known by the name of THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN, and that by the same Name they and their Successors shall and may have perpetual Succession, and shall and may be Persons in the Law capable to plead and be impleaded, defend and be defended, and

answer and be answered unto ; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates, and the same Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates to grant, demise, lease, use, manage or improve for the Good and benefit of the said *College*, according to the Tenor of the Donation, and their Discretion.

That all Gifts, Grants, Bequests, and Donations of Lands, Tenements, or Hereditaments, of Goods and Chattels heretofore made to or for the Use, Benefit and Advantage of the *Collegiate School* aforesaid, whether the same be expressed to be made to the President or Rector, and to the rest of the Incorporate Society of *Yale College*, or to the Trustees or Undertakers of the *Collegiate School* in *New Haven*, or to the Trustees by any other Name, Style or Title whatsoever, whereby it may be clearly known and understood that the true Intent and Design of such Gifts, Grants, Bequests and Donations, was to or for the Use, Benefit and Advantage of the Collegiate School aforesaid, and to be under the Care and Disposal of the Governors thereof, shall be confirmed, and the same hereby are confirmed, and shall be and remain to, and be vested in the President and Fellows of the *College* aforesaid, and their Successors, as to the true and lawful Successors of the original Grantees.

That the said PRESIDENT AND FELLOWS and their Successors shall and may hereafter have a common Seal, to serve and use for all Causes, Matters and Affairs of them and their Successors, and the same Seal to alter, break, and make new as they shall think fit.

That the said THOMAS CLAP shall be, and he is hereby established the present PRESIDENT, and the said *Samuel Whitman* [etc.] shall be, and they are hereby established the present FELLOWS of the said College, and that they and their Successors shall continue in their respective Places during Life, or until they or either of them shall resign, or be removed, or displaced, as in this Act is hereafter expressed.

That there shall be a General Meeting of the *President and Fellows* of said *College*, in the College Library on the second Wednesday of September annually, or at any other Time and Place which they shall see Cause to appoint, to consult, advise and act in and about the Affairs and Business of the said College ; and that on any special Emergency, the President and two of the Fellows, or any four of the Fellows, may appoint a Meeting of the said College, provided they give Notice thereof to the Rest by Letters sent and Left with them, or at the Places of their respective Abode, five Days before such Meeting ; and that the President and six Fellows, or in Case of the Death, Absence, or Incapacity of the President, seven Fellows, convened as aforesaid (in which Case the eldest Fellow shall preside), shall be deemed a Meeting of the President and Fellows of said College, and that in all the said Meetings, the Major Vote of the Members present shall be deemed the Act of the



Whole, and where an Equivote happens, the President shall have a casting Vote.

That the President and Fellows of the said College and their Successors, in any of their Meetings assembled as aforesaid, shall and may from Time to Time, as Occasion shall require, elect and appoint a President or Fellow in the Room and Place of any President or Fellow who shall die, resign, or be removed from his office, Place or Trust (whom the said Governor and Company hereby declare, for any Misdemeanor, Unfaithfulness, Default or Incapacity, shall be removable by the President and Fellows of the said College; Six of them, at least, concurring in such Act); and shall have Power to appoint a Scribe or Register, a Treasurer, Tutors, Professors, Steward, and all such other Officers and Servants, usually appointed in Colleges or Universities, as they shall find necessary and think fit to appoint for the promoting good Literature, and the well ordering and managing the Affairs of said College; and them or any of them, at their Discretion, to remove; and to prescribe and administer such Forms of Oaths (not being contrary to the Laws of England or of this Colony) as they shall think proper, to be administered to all the Officers and Instructors of the said College, or to such and so many of them as they shall think proper, for the faithful Execution of their respective Places, Offices and Trusts.

That the President and Fellows shall have the Government, Care and Management of the said College and all the Matters and Affairs thereunto belonging, and shall have Power from Time to Time, as Occasion shall require, to make, ordain and establish all such wholesome and reasonable Laws, Rules and Ordinances, not repugnant to the Laws of England, nor the Laws of this Colony, as they shall think fit and proper for the Instruction and Education of the Students, and Ordering, Governing, Ruling and Managing the said College, and all Matters, Affairs, and Things thereunto belonging, and the same to Repeal and alter as they shall think fit; which shall be laid before this Assembly as often as required, and may also be repealed or disallowed by this Assembly when they shall think proper.

That the President of said College, with the Consent of the Fellows, shall have Power to give and confer all such Honors, Degrees or Licenses as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.

#### LATER ACTS OF THE LEGISLATURE

In 1792 a grant of money from the State of Connecticut was received, upon the condition that certain State officials should become members of the Board of Fellows, as below expressed :—

In case this grant shall be accepted, in manner as hereinafter provided, the Governor, Lieutenant Governor, and six senior assistants in the Council\* of this State, for the time being, shall ever hereafter, by virtue of their said offices, be trustees or fellows of said College ; and shall together with the present President and Fellows of said College, and their successors, constitute one corporation, by the name and style mentioned in the charter of said College ; and shall have and enjoy the same powers, privileges, and authority, in as full and ample a manner, as though they had been expressly named and included in said charter ; And that in case of vacancy, by the death, or resignation, or in any other way, of any of the present Fellows of said College, and their successors, every such vacancy shall forever hereafter be supplied by them, and their successors, by election, in the same manner as though this act had never passed.

In the State Constitution, adopted in 1818, the privileges conferred by the Charter were reaffirmed, as follows :—

ARTICLE VIII, SECT. I.

The charter of Yale College, as modified by agreement with the Corporation thereof, in pursuance of an Act of the General Assembly, passed in May, 1792, is hereby confirmed.

In 1872, at the request of the Corporation, an Act was passed by the General Assembly, providing (as follows) for the substitution of graduates in the place of the six senators among the Fellows :—

SECTION 1.—All graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, on the day next preceding the public commencement day of said College, in the year of our Lord 1872, cast their votes, under such regulations as the President and Fellows may prescribe, for six persons to be chosen from among such graduates ; and the six persons who shall be found to be elected by a plurality of the votes cast, shall be the Fellows of Yale College in the stead of the six senior senators of the State, and shall have all the rights, duties, and privileges as Fellows which are now by law conferred upon said senators. In case of an equality of votes between two or more candidates, the person who shall hold the said office of Fellow shall be designated by lot from among the persons receiving such equality of votes.

\* Changed in 1819 to the six senior senators.

**SECTION 2.**—The Fellows thus elected shall enroll themselves by lot in six classes, one holding the office for six years, another for five years, another for four years, another for three years, another for two years, and another for one year, eligible for re-election; and every year as a vacancy occurs, all graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, upon the day next preceding commencement day, in the manner heretofore prescribed, elect by a plurality of votes a person to fill the vacancy, and hold the office of Fellow for a period of six years, eligible for re-election; and so whenever a vacancy shall occur from death, resignation, or any other cause, such graduates may elect a person at the next commencement to fill the office of Fellow for the remainder of the term in which a vacancy has occurred. The official year of such Fellows shall end with the day next preceding each commencement day.

In March, 1887, an Act passed the General Assembly of the State, authorizing the use of the title "YALE UNIVERSITY" by the President and Fellows of Yale College, and providing that gifts to, contracts with, conveyances to or by, and other acts affecting said Corporation by either of the names specified shall be valid.

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#### GOVERNMENT OF THE DIFFERENT DEPARTMENTS

The courses of study offered in the University are comprehended in four Departments, under the control of the Corporation, each Department being also under the administration of a distinct Faculty of instruction. The Departments are as follows :—

THE DEPARTMENT OF PHILOSOPHY AND THE ARTS;

THE DEPARTMENT OF THEOLOGY;

THE DEPARTMENT OF MEDICINE;

THE DEPARTMENT OF LAW.

Under the first-named Department are included two separately organized sections in which instruction for undergraduates is provided, viz :—

**THE ACADEMICAL DEPARTMENT, and  
THE SHEFFIELD SCIENTIFIC SCHOOL ;**

also, THE SCHOOL OF THE FINE ARTS, the DEPARTMENT OF MUSIC and the FOREST SCHOOL, each with a special organization ; and THE GRADUATE SCHOOL, under the combined Faculty of the Department.

It is to be understood that the courses of study above described are open to men only, except when both sexes are specifically included.

The LIBRARY, the PEABODY MUSEUM OF NATURAL HISTORY, and the OBSERVATORY are severally organized independently of the special Departments, and are designed to contribute, in their appropriate spheres, to the instruction and advancement of the whole institution. These Institutions and others connected with the University, and open to all of its students, are described in Part IV of this Catalogue. .

## **PART III**

### **DEPARTMENTS OF INSTRUCTION**



# ACADEMICAL DEPARTMENT (YALE COLLEGE)

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## FACULTY

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ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HENRY PARKS WRIGHT, PH.D., LL.D., *Dunham Professor of the Latin Language and Literature, and Dean of the College Faculty*

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ARTHUR MARTIN WHEELER, LL.D., *Durfee Professor of History*

JOSIAH WILLARD GIBBS, PH.D., LL.D., MATH.D., *Professor of Mathematical Physics*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

TRACY PECK, LL.D., *Professor of the Latin Language and Literature*

REV. CORNELIUS LADD KITCHEL, M.A., *In charge of Bureau of Self Help*

WILLIAM GRAHAM SUMNER, LL.D., *Pelotiah Perit Professor of Political and Social Science*

CHARLES HENRY SMITH, LL.D., *Larned Professor of American History*

HENRY SHALER WILLIAMS, PH.D., *Silliman Professor of Geology*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

BERNADOTTE PERRIN, PH.D., LL.D., *Lampson Professor of the Greek Literature and History*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics, and Curator of the Mineralogical Collection*

THOMAS DAY SEYMOUR, LL.D., *Hillhouse Professor of the Greek Language and Literature*

FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of the English Language and Literature*

WILLIAM BEEBE, M.A., *Professor of Mathematics, and Instructor in Astronomy*

ANDREW WHEELER PHILLIPS, PH.D., *Professor of Mathematics, and Dean of the Graduate School*

GEORGE BURTON ADAMS, PH.D., *Professor of History*

EDWARD PARMELEE MORRIS, M.A., *Professor of the Latin Language and Literature*

HENRY ROSEMAN LANG, PH.D., *Professor of Romance Philology*

ROBERT LOUIS SANDERSON, M.A., *Assistant Professor of French*

THOMAS DWIGHT GOODELL, PH.D., *Professor of the Greek Language and Literature*

ARTHUR HUBBELL PALMER, M.A., *Professor of the German Language and Literature*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

HORATIO MCLEOD REYNOLDS, M.A., *Talcott Professor of the Greek Language and Literature*

FREDERICK MORRIS WARREN, PH.D., L.H.D., *Street Professor of Modern Languages*

GEORGE MARTIN DUNCAN, LL.D., *Professor of Philosophy*

E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*

EDWARD GAYLORD BOURNE, PH.D., *Professor of History*

GUSTAV GRUENER, PH.D., *Professor of German*

EDWARD WHEELER SCRIPTURE, PH.D., *Assistant Professor of Experimental Psychology, and Director of the Psychological Laboratory*

CHARLES CUTLER TORREY, PH.D., *Professor of the Semitic Languages*

JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*

CHARLTON MINER LEWIS, PH.D., *Emily Sanford Professor of English Literature*

WILLIAM LYON PHELPS, PH.D., *Lampson Professor of English Literature*

IRVING FISHER, PH.D., *Professor of Political Economy*

JAMES PIERPONT, PH.D., *Professor of Mathematics*

HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative Philology*

CHARLES SEARS BALDWIN, PH.D., *Assistant Professor of Rhetoric*

PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*

OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of History*

CHARLES FOSTER KENT, PH.D., *Woolsey Professor of Biblical Literature*

HERBERT ERNEST GREGORY, PH.D., *Assistant Professor of Physiography*

CECIL KITTREDGE BANCROFT, B.A., *Tutor in Latin*

KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*

JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*



DAVID ALBERT KREIDER, PH.D., *Assistant Professor of Physics*  
CLIVE DAY, PH.D., *Assistant Professor of Economic History*  
HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*  
MILTON BROCKETT PORTER, PH.D., *Assistant Professor of Mathematics*  
ALFRED KINDRED MERRITT, B.A., *Registrar of the College Faculty*  
EDWARD BLISS REED, PH.D., *Assistant Professor of English*  
CHARLES GROSVENOR OSGOOD, JR., PH.D., *Tutor in English*  
WILLIAM BACON BAILEY, PH.D., *Instructor in Statistics*  
ISAAC KING PHELPS, PH.D., *Instructor in Chemistry*  
CHARLES HUBBARD JUDD, PH.D., *Instructor in Psychology*  
GEORGE DWIGHT KELLOGG, PH.D., *Tutor in Latin*  
EMERSON GIFFORD TAYLOR, PH.D., *Instructor in Rhetoric*  
ALBERT GALLOWAY KELLER, PH.D., *Assistant Professor in Science of  
Society*  
SHERWOOD OWEN DICKERMAN, B.A., *Tutor in Greek*  
HOLLON AUGUSTINE FARR, B.A., *Tutor in German*  
RUDOLPH SCHWILL, PH.D., *Instructor in Spanish*  
JOHN CHESTER ADAMS, M.A., *Tutor in English*  
WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy and Recorder*  
HERBERT EDWIN HAWKES, PH.D., *Instructor in Mathematics*  
CHARLES UPSON CLARK, B.A., *Tutor in Latin*  
WILLIAM CHURCHILL, PH.D., *Tutor in Philosophy*  
ROBERT KILBURN ROOT, PH.D., *Tutor in English*  
EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*  
JOHN PEASE NORTON, PH.D., *Instructor in Political Economy*

## ADDITIONAL INSTRUCTORS

ALFRED AKERMAN, M.F., *Instructor in Forestry*  
CARROLL STORRS ALDEN, B.A., *Assistant in English*  
WILLIAM GILBERT ANDERSON, B.A., M.D., *Instructor in Gymnastics,  
and Associate Director of the Gymnasium*  
GEORGE MERRICK BAKER, B.A., *Instructor in German*  
MARK BAILEY, M.A., *Instructor in Elocution*  
Hon. SIMEON EBEN BALDWIN, LL.D., *Professor of Constitutional Law,  
Corporations, and Wills*  
SAMUEL ELIOT BASSETT, B.A., *Instructor in Greek*  
PAUL VICTOR CHRISTOPHER BAUR, PH.D., *Instructor in Classical  
Archæology*

GILBERT GIDDINGS BENJAMIN, PH.D., *Assistant in History*

HOWARD LOGAN BRONSON, B.A., *John Sloane Fellow and Assistant in Physics in the Sloane Physical Laboratory*

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry, and Director of the Sheffield Scientific School*

WALTER HAVEN CLARK, B.A., LL.B., *Instructor in Debating*

ROBERT NELSON CORWIN, PH.D., *Professor of German*

ALBERT EUGENE CURDY, PH.D., *Instructor in French*

HENRY DAVIES, B.D., PH.D., *Lecturer on the History of Philosophy and Aesthetics*

ALEXANDER WILLIAM EVANS, PH.D., *Assistant Professor of Botany*

WILLIAM OLIVER FARNSWORTH, M.A., *Instructor in French*

HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*

CASSIUS ASA FISHER, M.A., *Assistant in Geology*

GUY STANTON FORD, B.L., *Instructor in History*

ARTHUR SULLIVAN GALE, PH.D., *Instructor in Mathematics*

RALPH DAVIS GILBERT, B.S., *Assistant in Chemistry in the Kent Laboratory*

WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*

HENRY SOLON GRAVES, M.A., *Pinchot Professor of Forestry*

EDWARD WASHBURN HOPKINS, PH.D., LL.D., *Professor of Sanskrit and Comparative Philology*

WILHELM JULIUS EDWARD JENTE, B.A., *Instructor in German*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music, and Instructor in Organ-Playing*

HENRY STANLEY KNIGHT, *Instructor in Piano-Forte Playing*

REV. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Moral Philosophy and Metaphysics*

REV. FREDERIC LENT, M.A., *Instructor in Biblical Literature*

OLIVER CLARENCE LESTER, B.A., *Assistant in Physics in the Sloane Physical Laboratory*

CLOYD NORTH McALLISTER, PH.D., *Lecturer on Experimental Pedagogy, and Assistant in the Psychological Laboratory*

OLIVER PERRY MCAULEY, M.A., *Assistant in History*

FRANK MITCHELL McCLENAHAN, M.A., *Assistant in Chemistry in the Kent Laboratory*

WILLIAM CROSBY MARSHALL, M.E., C.E., *Assistant Professor of Drawing and Descriptive Geometry*

HERBERT EDWIN MEDWAY, B.A., *Assistant in Chemistry in the Kent Laboratory*

LAFAYETTE BENEDICT MENDEL, PH.D., *Assistant Professor of Physiological Chemistry*

HERBERT SPENCER MURCH, B.A., *Assistant in English*

JOHN HENRY NIEMEYER, M.A., *Street Professor of Drawing*

HORATIO WILLIAM PARKER, M.A., MUS.D., *Battell Professor of the Theory of Music*

WALTER MELVILLE PATTON, PH.D., *Instructor in Biblical Literature*

WILLIAM SUMNER PRITCHARD, B.A., *Proctor*

OSCAR STODDARD PULMAN, JR., B.A., *Assistant in Chemistry in the Kent Laboratory*

EDWARD VILETTE RAYNOLDS, D.C.L., *Professor of Comparative Constitutional Law and Civil Government, and Instructor in Political Science*

CHARLES BRINCKERHOFF RICHARDS, M.A., *Higgin Professor of Mechanical Engineering*

HENRY HOLLISTER ROBINSON, C.E., *Instructor in Geology*

HENRY WADE ROGERS, LL.D., *Professor of Equity, Corporations, and Insurance*

STUART HENRY ROWE, PH.D., *Lecturer on Pedagogy*

Rev. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology, and Dean of the Divinity School*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*

JAY WEBBER SEAVER, M.A., M.D., *Associate Director of the Gymnasium*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

LEONARD MERRILL TARR, M.A., *Lecturer on Meteorology*

NORMAN CAMPBELL THORNE, B.A., *Assistant in Chemistry in the Kent Laboratory*

EDWARD ALLEN THURBER, M.A., *Instructor in Rhetoric*

JOHN QUILLIN TILSON, M.L., *Proctor*

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

Hon. WILLIAM KNEELAND TOWNSEND, D.C.L., *Edward J. Phelps Professor of Contracts, Patents, and Admiralty Jurisprudence*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

MASON TROWBRIDGE, B.A., *Assistant in Rhetoric*

EDSON NEWTON TUCKEY, M.S., *Instructor in Political Science*

CURTIS HOWE WALKER, B.A., *Proctor*

ARTHUR GUSTAVUS WARD, B.A., *Instructor in German*

JOHN FERGUSON WEIR, N.A., M.A., *William Leffingwell Professor of  
Painting and Design*

PHILIP PATTERSON WELLS, PH.D., *Assistant in History*

WILHELMUS DAVID ALLEN WESTFALL, B.A., *Instructor in Mathematics*

JOHN WURTS, LL.B., M.A., *Professor of Elementary Law, Real Prop-  
erty, and Trusts*

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HENRY MINOTT OSBORN, *College Bursar*

FRANK EDWIN HOTCHKISS, *Superintendent of Grounds and Buildings*

GEORGE HANFORD BUTLER, *Cashier in Bursar's Office*

WILBUR ALLEN MAYNARD, *Assistant in the Bursar's Office*

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#### STANDING COMMITTEES OF THE FACULTY

*On Admission to the Freshman Class*—Professor SEYMOUR, Chairman ;  
Professors PERRIN, BEEBE, MORRIS, WARREN, GRUENER, REED,  
and Mr. MERRITT.

*On Admission to Advanced Standing*—Professors H. P. WRIGHT,  
PERRIN, and PHILLIPS.

*On Freshman Class Administration*—Mr. BANCROFT, Chairman ; Profes-  
sor PORTER, Mr. DICKERMAN, Mr. J. C. ADAMS, and Dr. ROOT.

*On the Course of Study*—Professors GOOCH, PHILLIPS, MORRIS, DUN-  
CAN, BOURNE, GRUENER, SCHWAB, LEWIS, and KENT.

*On Changes in Elective Courses*—Professors BEEBE and ADAMS, and  
Mr. MERRITT.

*On the Adjustment of Freshman and Sophomore Studies*—Professors  
BEEBE and GOODELL, Mr. BANCROFT, and Dr. HESS.

*On Enrollment*—Professors GOOCH, ADAMS, and DUNCAN.

*On Honors*—Professors GIBBS, GOOCH, PALMER, and BOURNE.

*On Public Entertainments*—Professors REYNOLDS, SCHWAB, and LEWIS.

*On the College Choir*—Professors SEYMOUR, PERRIN, and PARKER.

*On the M.A. Degree*—Professors WHEELER and PHILLIPS.

*On the B.A. Degree*—Professors SMITH, DUNCAN, and LEWIS.

*On Semi-Annual Examinations*—Professors GRUENER and INGERSOLL,  
and Mr. FARR.

*On Undergraduate Scholarships*—Professors GOODELL, DUNCAN, and  
EMERY.

## HISTORY OF THE COLLEGE

From the date of the original Charter, in 1701, a course of instruction leading to the degree of Bachelor of Arts has been continuously offered at the College ; at first only three years of undergraduate study were required, but before 1710 a four years' course was provided, which has since been maintained.

Until 1813, when a Medical School was organized, no other course of study for a degree was marked out at Yale College ; but with the incorporation of the Medical Institution (as it was originally styled) the older Department began to be designated the Academical Institution (or Department), and has continued to be so designated until at length, with the growth of other Schools about it and the expansion of the whole into Yale University, the original title of Yale College is again applied distinctively to this Department.

## TERMS OF ADMISSION

ALL CANDIDATES FOR ADMISSION to the Freshman class are examined in the following books and subjects ; certificates of standing elsewhere are not accepted in place of this examination, except in certain cases when a candidate brings evidence that he has passed the whole of Freshman year in good standing in another college.

## I. ANCIENT LANGUAGES

1. Latin Grammar.

2. Cicero—the orations against Catiline and for Archias ; and, in addition, either the *Milo*, or the *Manilian Law*, or the *Cato Major*, or the *Marcellus* and the 14th *Philippic*.

3. Vergil—the first six books of the *Aeneid* (including prosody) ; and, in addition, either the *Bucolics* or the eighth and ninth books of the *Aeneid*.

4. Ovid—*Metamorphoses*, translation at sight.
5. The translation, at sight, of passages from Nepos and Caesar.
6. The translation into Latin of connected passages of English prose.
7. Roman History to the death of Augustus.
8. Greek Grammar.
9. Xenophon—*Anabasis*, four books. To this paper will be added a passage from some work of Xenophon to be translated at sight.
10. Homer—*Iliad*, three books, with Prosody. To this paper will be added a passage from the poems of Homer, to be translated at sight with the aid of a vocabulary of the less familiar words. Candidates are allowed to substitute four books of the *Odyssey* for three books of the *Iliad*.
11. The translation into Greek of connected passages of English prose, employing the vocabulary and idioms of the first four books of Xenophon's *Anabasis*.
12. Greek History.

Of the examinations in the ancient languages, those in Latin and Greek Grammar (1 and 8), translation at sight, and Latin and Greek Composition (6 and 11), are considered most important, and the papers in them are read and marked with special care and strictness. A candidate who shows marked proficiency in these subjects is not conditioned for slight deficiency in Xenophon, Cicero, or Vergil.

The examination in Latin Grammar in 1903 will be based upon the second, third, and fourth orations of Cicero against Catiline. Students who do not read Cicero until the last year of their preparatory course are, therefore, advised to reserve Latin Grammar for their final examination. The examination in Greek Grammar in 1903 will be based on the first two books of Xenophon's *Anabasis*. *In both Greek and Latin, however, a knowledge of grammatical principles, especially of the body of syntax, will be required.*

Grammatical questions are not asked on other classical papers, except to test the candidate's understanding of a passage, or on poetic forms and constructions (including prosody) in Homer and Vergil.

In order to allow preparatory schools freedom in arranging their courses of work, alternative equivalents are provided in the authors set. Thus the paper on Cicero contains questions on all the orations named in the list above, and on the Vergil paper passages are set from the eighth and ninth books of the *Aeneid* as a substitute for the *Bucolics*. Papers will be prepared also on other parts of Vergil, on other orations of Cicero, on other portions of the works of Xenophon than the first four books of the *Anabasis*, and on other books of Homer than the first three and the sixth of the *Iliad*, and books i-iv and ix-xii of the *Odyssey*, provided information is given to

the Registrar, Mr. A. K. Merritt, before May 1, that such a paper is desired.

In the translations at sight from Greek and Latin, the candidate is expected to show accurate knowledge of the forms and structure of the language, and an intelligent comprehension of the meaning of the whole passage set.

The passages set for translation from English into Greek and Latin call for acquaintance with the vocabulary and style of simple narrative.

Teachers are advised to connect exercises in Greek and Latin Composition, both oral and written, with all the Greek and Latin studies of the preparatory courses, and to begin the exercises in reading at sight early.

## II. MATHEMATICS

13. Algebra (*a*)—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, powers and roots, fractional and negative exponents, reduction of radicals, including the extraction of the square root of numbers.

14. Algebra (*b*)—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, binomial theorem for positive integral exponents.

15. Plane Geometry (*a*)—Demonstrations of theorems and constructions, and demonstrations of problems which are contained in the standard texts; also, simple exercises in construction and demonstration.

16. Plane Geometry (*b*)—Mensuration of the triangle, parallelogram, trapezoid, regular polygons, and circle, and numerical problems relating to the properties of these figures; the use of logarithms of numbers. The problems in this subject, for the most part, will be stated in terms of the metric system of weights and measures.

Special emphasis is laid upon accuracy in reckoning in both Algebra and Geometry.

For the examination in Geometry, the candidates must provide themselves with compasses and rulers.

## III. MODERN LANGUAGES

17. French or German—so far as to translate at sight easy prose into English, and also to translate easy English exercises into French or German.

The candidate is at liberty to decide for himself in which of the two languages he shall be examined.

In French the examination is adapted to the proficiency of those who have studied French in the equivalent of a systematic course of five

hours a week for one year. It will consist of two parts (which, however, may not be taken separately):—

(a) The translation at sight of ordinary prose.

The passages set for translation will be suited to candidates who have read not less than three hundred duodecimo pages from the works of at least three different authors; this amount includes sight-reading done in class. It is important that all translation be done into clear and idiomatic English.

(b) The translation into French of English sentences, or a short connected passage, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of regular and the more usual irregular verbs; the forms and positions of the personal pronouns; the uses of other pronouns and of possessive, demonstrative, and interrogative adjectives; the inflection of nouns and adjectives for gender and number, except rare cases; the uses of articles; and the partitive constructions. Proficiency may also be tested by direct questioning.

Pronunciation should be carefully taught, and the pupil should be accustomed to hear and understand the spoken language. The writing of French from dictation is also recommended.

In German the examination is adapted to the proficiency of those who have studied German in the equivalent of a systematic course of five periods a week for one year. It will consist of two parts (which, however, may not be taken separately):—

(a) The translation at sight of a passage of easy prose containing no rare words.

The passages set for translation will be suited to candidates who have read not less than two hundred duodecimo pages of simple German, chiefly narrative prose; this amount includes sight-reading done in class. It is important that all translation be done into clear and idiomatic English.

(b) The translation into German of simple English sentences, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of the weak and the more usual strong verbs; the declension of articles, adjectives, pronouns, and such nouns as are readily classified; the commoner prepositions; the simpler uses of modal auxiliaries; the elements of syntax and word-order. Proficiency may also be tested by direct questioning.

Practice in pronunciation by reading aloud as much as possible from the texts used in the class is recommended; also, the writing of German from dictation.



## IV. ENGLISH

18. English A : Reading and Practice. A certain number of books is set for reading. The candidate is required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination is usually the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and calls for only a general knowledge of the substance of the books.

In preparation for this part of the examination, it is important that the candidate shall be instructed in the fundamental principles of rhetoric.

The books set for this part of the examination are :—

Preliminary Examinations in 1902, 1903, and 1904, for the classes entering in 1903, 1904, and 1905 :

Shakespeare's *Merchant of Venice* and *Julius Caesar* ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Carlyle's *Essay on Burns* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

Preliminary Examinations in 1905, 1906, and 1907, for the classes entering in 1906, 1907, and 1908 :

Shakespeare's *Macbeth* and *Merchant of Venice* ; The Sir Roger de Coverley Papers in *The Spectator* ; Irving's *Life of Goldsmith* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* and *Lady of the Lake* ; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

19. English B : Study and Practice. This part of the examination presupposes more careful study of each of the works named below. The examination is upon subject-matter, form, and structure, and tests also the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination are :—

Final Examinations in 1903, 1904, and 1905 :

Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

Final Examinations in 1906, 1907, and 1908 :

Shakespeare's *Julius Caesar* ; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Milton* and *Life of Johnson*.

For candidates who take the complete examination in English at a single session, this examination covers the books set for the final examination in that year, together with those set for the preliminary examination in the preceding year : for example, the complete examination in 1903 will cover the books set for the final examination in 1903, together with those set for the preliminary examination in 1902.

No candidate is accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs. An entrance condition imposed in English A is removed only upon evidence of marked improvement in the power to write English correctly.

Candidates are allowed to divide the examination, with an interval of not less than a school year between the two parts. At the preliminary examination each candidate must submit a definite statement from his principal instructor of the subjects which he is authorized to offer. No preliminary certificate will be furnished unless at least six of the above nineteen subjects have been satisfactorily passed.

The regular Examination for Admission to College is held at Alumni Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (June 25, 26, 27, 1903); *attendance is required at the opening of the examination, at 8.30 A. M. on Thursday*, and the sessions will close at 4.15 P. M. on Saturday. The examination is wholly in writing.

In 1903, examinations (beginning on Thursday, June 25, at 8.30 A. M., and closing on Saturday at 4.15 P. M.) for admission to the Freshman class (but not to higher classes) will also be held

in Albany, N. Y., at the Albany Academy ;

Andover, Mass., at Phillips Academy ;

Auburn, N. Y., at the High School ;

Buffalo, N. Y., at the Central High School ;

Chicago, Ill., at the Bryant & Stratton Business College, northwest corner of Wabash avenue and Congress street ;

Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;

Cleveland, O., at the University School ;  
Columbus, O., at the University School, 187 East Broad street ;  
Concord, N. H., at St. Paul's School ;  
Denver, Col., at the East Denver High School ;  
Detroit, Mich., at the Central High School ;  
Easthampton, Mass., at Williston Seminary ;  
Exeter, N. H., at Phillips Academy ;  
Groton, Mass., at Groton School ;  
Hartford, Conn., at the Public High School ;  
Kansas City, Mo., at the Central High School ;  
Lakeville, Conn., at the Hotchkiss School ;  
Lawrenceville, N. J., at the Lawrenceville School ;  
Louisville, Ky., at the Male High School ;  
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBuren st.;  
Nashville, Tenn., at the Bowen School ;  
New York City, at the Y. M. C. A. building, 215 W. 23d st.;  
Norwich, Conn., at the Free Academy ;  
Ossining, N. Y., at Dr. Holbrook's School ;  
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street;  
Pittsburg, Pa., at the Shady Side Academy ;  
Pomfret, Conn., at the Pomfret School ;  
Portland, Oregon, at the Bishop Scott Academy ;  
Pottstown, Pa., at the Hill School ;  
St. Louis, Mo., at the Board of Education building, corner 9th and  
Locust streets ;  
St. Paul, Minn., at the High School ;  
San Francisco, Cal., at the Urban School, 2124 California street ;  
Scranton, Pa., at the School of the Lackawanna ;  
Southborough, Mass., at St. Mark's School ;  
Tacoma, Wash., at the Tacoma Academy ;  
Washington, D. C., in the Washington Loan and Trust Building,  
900 F street N. W.; inquire at room 101 ;  
Watertown, Conn., at the Taft School ;  
Worcester, Mass., at Worcester Academy.

An examination will be held on the same days in Interlaken, Switzerland, under the supervision of Mr. Howard Copland.

Candidates who propose to be present elsewhere than at New Haven are requested to send their names to the Registrar of the College before June 1. A fee of five dollars (payable at the opening of the sessions) is charged for admission to examinations outside of New Haven.

The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates and the distance from other places of examination may warrant it; applications for this purpose must be sent to the Registrar before May 15.

A second examination is held, *in New Haven*, at the beginning of the College year, on Monday, Tuesday, and Wednesday (September 21, 22, 23, 1903); candidates for this examination must be present at Alumni Hall at 10.30 A. M. on Monday.

A set of the papers given in the examination in June, 1902, will be found in the appendix. Separate papers given then and also separate papers given in June, 1901, may be obtained by teachers without cost by applying to the Registrar of the College, Mr. A. K. Merritt.

#### ORDER OF JUNE EXAMINATION

##### *Thursday, June 25*

Registration,	.	.	.	.	.	8.30—9.00
Ovid,	.	.	.	.	.	9.00—9.45
Vergil,	.	.	.	.	.	10.00—11.00
Greek Grammar,	.	.	.	.	.	11.15—12.15
English A,	.	.	.	.	.	2.45—3.45
English B,	.	.	.	.	.	4.00—5.00
Greek History,	.	.	.	.	.	5.15—6.00

##### *Friday, June 26*

Algebra,	.	.	.	.	.	8.30—10.00
Xenophon,	.	.	.	.	.	10.15—11.45
Greek Composition,	.	.	.	.	.	12.00—12.30
Caesar and Nepos,	.	.	.	.	.	2.45—3.30
Cicero,	.	.	.	.	.	3.45—4.30
Homer,	.	.	.	.	.	4.45—6.00

##### *Saturday, June 27*

Geometry,	.	.	.	.	.	8.30—10.00
Latin Grammar,	.	.	.	.	.	10.15—11.15
French or German,	.	.	.	.	.	11.30—12.30
Roman History,	.	.	.	.	.	2.45—3.30
Latin Composition,	.	.	.	.	.	3.45—4.15

## ORDER OF SEPTEMBER EXAMINATION

*Monday, September 21*

Registration, . . . . .	10.30—11.00
Roman History, . . . . .	11.00—11.45
Latin Composition, . . . . .	12.00—12.30
Ovid, . . . . .	2.45— 3.30
Vergil, . . . . .	3.45— 4.45
Greek Grammar, . . . . .	5.00— 6.00

*Tuesday, September 22*

English A, . . . . .	8.30— 9.30
English B, . . . . .	9.45—10.45
Xenophon, . . . . .	11.00—12.30
Algebra, . . . . .	2.45— 4.15
Greek Composition, . . . . .	4.30— 5.00
Greek History, . . . . .	5.15— 6.00

*Wednesday, September 23*

Geometry, . . . . .	8.30—10.00
Caesar and Nepos, . . . . .	10.15—11.00
Homer, . . . . .	11.15—12.30
Cicero, . . . . .	2.45— 3.30
Latin Grammar, . . . . .	3.45— 4.45
French or German, . . . . .	5.00— 6.00

ADVANCED STANDING—Applications for admission to advanced standing *without examination* are received from Bachelors of Arts of other colleges, and from students in other colleges who expect to fall back one or more years in their class rating. Each case is judged on its merits. Blank forms of application may be obtained by writing to the Dean. A student from another college is admitted *ad eundem* only on passing a satisfactory examination on the required studies of Freshman year, and upon elective studies sufficient to make up the number of hours of classroom work already completed by the class which he wishes to enter. Examinations for admission to advanced standing are held at Alumni Hall on Thursday, Friday, and

Saturday, June 25, 26, and 27 ; and on Monday, Tuesday, and Wednesday, September 21, 22, and 23.

No one is admitted to the Senior class after the beginning of the second term.

AGE—No one is admitted to the Freshman class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character are in all cases required, before a certificate of admission in full is granted. Candidates who have been members of a school at any time within the preceding year are expected to bring a certificate of honorable dismissal from this school. Students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is furnished at the time of admission.

### COURSES OF INSTRUCTION

A candidate for the degree of Bachelor of Arts must successfully complete courses aggregating sixty hours per week through a year. Freshmen take fifteen hours per week ; Sophomores and Juniors, from fifteen to eighteen hours. A student is enrolled in the Freshman class until he has completed at least twelve hours of work and has removed all entrance conditions ; he is then enrolled in the Sophomore class until he has completed twenty-six hours, including all requirements of Freshman year ; then in the Junior class until he has completed at least forty-one hours ; then in the Senior class until he has completed sixty hours. A student who is enrolled as Freshman a second year may, if he desires, take eighteen hours of class-room work.

A student in any of the three upper classes who desires to anticipate a course of the class in which he is enrolled,

by passing a special examination in it at the beginning of the year, must apply to the Dean in writing, not later than September 1st, for such an examination and must pay to the Bursar the fee for a special examination. The privilege is not open to those who have deficiencies due to failure in courses previously taken. A course thus anticipated may, with the consent of the Faculty, be counted as part of the requisite sixty hours. In its place the student may take an equal number of hours from the courses open to his own or to the next higher class, if he is otherwise qualified to do so. Members of the incoming class who desire to avail themselves of this privilege must apply to the Registrar.

Every student must complete, or offer the equivalent of, connected courses (*i. e.* courses comprised within the limits of a single group) of grades A, B, and C, aggregating at least seven hours per week through a year, in one of the following three departments of study; and connected courses of grades A and B, aggregating at least five hours, in each of the other two departments:

- I. LANGUAGE AND LITERATURE: comprising Latin; Greek; Classical Archaeology; Sanskrit, Linguistics, and Comparative Philology; Semitic Languages and Biblical Literature; French; Italian; Spanish; Russian; German; Scandinavian; English. (Pages 79-113.)
- II. MATHEMATICS AND THE PHYSICAL AND NATURAL SCIENCES: comprising Mathematics and Astronomy; Physics; Chemistry; Geology, Physical Geography and Mineralogy; Biology, Anatomy and Histology; Botany and Forestry. (Pages 114-127.)
- III. PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES: comprising Psychology, Ethics, Logic, Philosophy, and Pedagogics; Ancient, Medieval, and Modern History; Economics; Politics, and the Science of Society. (Pages 128-152.)

A student can gain promotion with his class only by passing satisfactorily upon the required number of hours. No course is accepted which has not been satisfactorily passed. If it is not accepted it is not counted as part of the work for the degree, and the deficiency can be

made up only by taking in a succeeding year extra work covering the same number of hours.

In Sophomore and Junior years eighteen hours of classroom work may be elected. Opportunity is given also to anticipate one or more courses at the beginning of a year. Thus it is possible for a good student at the end of his third year to have completed the required sixty hours. This opportunity is open only to those who have a high rank in Freshman year, and only by special vote of the Faculty in each case. In Senior year any hours not needed to complete the work for the degree of Bachelor of Arts, may be devoted to study in the professional schools.

To promote the rational choice of elective courses, SPECIAL HONORS in various groups of studies are offered, to be awarded at the end of the Senior year, in accordance with the scheme on page 166.

### FRESHMAN YEAR

Every member of the Freshman class is required to take the following three-hour courses :

1. Latin—*Livy, Tacitus, and Terence*, Course A 1, p. 80.
2. Greek—*Homer, Lysias, Demosthenes, and Plato*, Course A 1, p. 83.
3. French or German—  
[One course only may be chosen.]
  - (a) *Elementary French*, p. 95.
  - (b) *Freshman Advanced French*, Course A 1, p. 95.
  - (c) *Elementary German*, p. 100.
  - (d) *Freshman Advanced German*, Course A 1, p. 101.
4. English—*Shakespeare and Victorian Literature*, Course A 1, p. 107.
5. Mathematics—*Solid Geometry, Plane Trigonometry, and Mechanics, or Analytical Geometry*, Course A 1, p. 114.

Students may at their option either continue the study of the modern language in which they have passed the examination for admission to college, or begin the study of the other in case they have not previously pursued it. Those who have sufficient knowledge of either language are assigned to classes still further advanced.



From November first until April first, work in gymnastics is required of the members of the Freshman class, except those who are in regular training with the recognized athletic teams. This work may be either two periods a week in class drill or four periods of individual exercise, at the option of the student.

### SOPHOMORE YEAR

Every member of the Sophomore class is required to choose five and may choose six of the following three-hour courses :

1. Latin—*Horace, Catullus, and Prose Selections*, Course B 1, p. 80.
2. Greek—*The Athenian Drama*, Course B 1, p. 83.
3. French—  
[One course only may be chosen.]
  - (a) *Elementary French*, p. 95.
  - (b) *Sophomore Second-Year French*, Course A 2, p. 95.
  - (c) *Sophomore Advanced French*, Course B 1, p. 95.
4. German—  
[One course only may be chosen.]
  - (a) *Elementary German*, p. 100.
  - (b) *Sophomore Second-Year German*, Course A 2, p. 101.
  - (c) *Sophomore Advanced German*, Course B 1, p. 101.
5. English—*Rhetoric and History of English Literature*, Course B 1 pp. 106, 107.
6. Mathematics I—  
[One course only may be chosen.]
  - (a) *Calculus*, Course B 1, p. 114.
  - (b) *Spherical Geometry and Trigonometry*, Course B 3, p. 115.
7. Mathematics II—*Analytical Geometry*, Course B 2, p. 114.  
[Open only to those who choose *Calculus*.]
8. Physics—*Elementary Physics*, Course A 1, p. 118.
9. Chemistry—*Inorganic Chemistry, Experimental and Descriptive*, Course A 1, p. 120.
10. Mental and Moral Science—*Outlines of Psychology and Ethics*, Course A 1, p. 129.
11. Philosophy—*Outlines of Philosophy*, Course A 2, p. 129.
12. History—*European History*, Course A 1, p. 138.

An extra elective course in Elocution of one hour per week is offered to the Sophomore class in the second term. This course includes lectures on the Science and the Art of Elocution, practice in speaking and reading by small subdivisions, and private individual practice for those chosen to contest for the prizes in declamation and reading.

When a student makes his choice of Sophomore studies, he is expected also to indicate his plans for Junior and Senior years, and to show how he intends to satisfy the requirements for the Bachelor's degree.

### JUNIOR AND SENIOR YEARS

A member of the Junior class is required to select from the list of courses given on pages 79-156 not less than fifteen nor more than eighteen hours of class-room work per week. A member of the Senior class is required to select a number of hours per week which, in addition to those passed satisfactorily at the end of Junior year, will bring the total number up to sixty hours. But no member of the Senior class may take less than twelve hours.

### ELOCUTION

An extra elective course of one hour per week is offered to the Junior class in the first term in advanced oratorical speaking, or Shakespearean readings. Special training is given in preparation for the TenEyck Prize Speaking in Junior year, and for the DeForest Prize in Oratory in Senior year.

### DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement.

## STATEMENT OF COURSES

1. An asterisk (\*) prefixed to a course indicates that written permission must be secured from the instructor to gain admission to the course.

2. Courses included in brackets are omitted during the academic year 1902-1903, but will probably be offered during 1903-1904.

3. The sequence of courses is, in general, indicated by their being graded in the order A, B, and C. In some cases one course presupposes another, or must be taken in connection with another. Restrictions are indicated in brackets after the title of the course, or in the appended statement of the course.

4. Courses not otherwise limited are open to Juniors and Seniors.

### (1) LANGUAGE AND LITERATURE

#### ANCIENT LANGUAGES AND LINGUISTICS

Within the group of classical languages and literature, students may change from one course to another at the close of the first term, provided (1) that they secure the consent of the instructors of both courses, and (2) that the change involves no conflict of hours of recitation.

#### I. LATIN

Students who desire to continue the study of Latin after Freshman year as part of a general education are advised to take course B 1 in their Sophomore year. Courses B 2, B 3, and B 11 are intended especially to meet the needs of such students in Junior and Senior years. Courses B 4, B 5, and B 6 are also suitable for the same purpose, but with special reference to biography, oratory, and Roman religion.

Students who propose to specialize in Latin should take B 1 in Sophomore year, and in Junior year B 4, B 5, B 11, C 1, C 2, C 3, C 4, or C 5. Those who intend to teach should take also B 8 in Junior year and C 6 in Senior year, and such other advanced courses as they can find time for without neglecting other subjects.

A 1 *Livy, Tacitus, and Terence.* [Freshmen.] 3 hrs.

Professor INGERSOLL, Mr. BANCROFT, and Dr. KELLOGG.

Livy, Books i and ii, *Agricola* and *Germania* of Tacitus, the *Phormio* and *Adelphoe* of Terence.

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B 1 *Horace, Catullus, and Prose Selections.* 3 hrs.

Professor MORRIS and Mr. C. U. CLARK.

The Satires of Horace, with reference to the life of the author and the society of his time; the Odes, I-II, and the poems of Catullus, as illustrations of two types of Roman lyric poetry; selections from late Latin prose.

B 2 *Latin Satire, Epigram, and Comedy.* 2 hrs.

Professors H. P. WRIGHT and INGERSOLL.

Selections from Juvenal and Martial, with special reference to a study of the private life of the Romans.

Plautus—three or four plays, with study of literary history, form, and influence.

[B 3 *Latin Lyric and Elegiac Poetry.* 2 hrs.

Professors H. P. WRIGHT and INGERSOLL.

Books iii and iv of the Odes of Horace; selections from Catullus, Tibullus, and Propertius; Latin Hymns.

Omitted in 1902-1903.]

[B 4 *The Character and Reign of Tiberius* [after B 1]. 2 hrs.

Professor PECK.

Tacitus (*Annals*, i-vi), Suetonius (*Tiberius*), and Velleius Paterculus. Characteristics of "Silver" Latin.

Omitted in 1902-1903.]

- [B 5 *Cicero (Brutus), Quintilian (x and xii), and Tacitus (Dialogus)* [after B 1]. 1 hr.

Professor PECK.

Omitted in 1902-1903.]

- B 6 *The Fasti of Ovid* [after A 1]. 2 hrs.

Mr. BANCROFT.

With special reference to Roman religion.

- B 8 *Latin Composition* [after A 1]. 2 hrs.

Dr. KELLOGG.

Exercises in narration and description, together with practice in idioms based on Meissner's *Latin Phrase-Book*.

- [B 10 *Roman Law* [after A 1]. 2 hrs.

Assistant Professor INGERSOLL.

An elementary and general course, for the classical student or the student of law.

Omitted in 1902-1903.]

- B 11 *Latin Literature* [after A 1]. 2 hrs.

Assistant Professor INGERSOLL.

A general survey of the whole field, aiming to trace the rise and subsequent development of the various kinds of prose and verse among the Romans, both as to form and as to subject, and to characterize the several periods of the literature in the light of the changing conditions under which the development took place. Lectures, illustrative readings, and direction of the student's private reading. The course is designed especially for those who wish to take their bearings in preparation for special work in this department, and for those who, while their chief interest lies in other departments of study, desire to get a general notion of the range and leading characteristics of a literature in which their previous reading has been more or less desultory.

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- C 1 *The Dialogus of Tacitus and the Letters of Pliny*  
[after two years of Latin]. 2 hrs.

Professor PECK.

Literary and social life of Rome in the first century.

[C 2 *Lucretius and Horace* [after two years of Latin].

2 hrs.

Professor PECK.

The Epistles of Horace, including the "Art of Poetry."  
Omitted in 1902-1903.]

[C 4 *Vergil* [after B 1].

2 hrs.

Professor MORRIS.

An introduction to Vergil, intended to give students who may expect to teach Latin an acquaintance with the best editions and commentaries and with works on special topics, the Life of Vergil, the Aeneas legend, Vergil's relation to Greek poets and to earlier Roman poetry, mythology, Vergil in the Middle Ages. Parts of the text will be carefully interpreted and other parts will be translated and compared with English versions, and there will be practice in metrical reading.

A reading knowledge of German is important but not essential for this course.

Omitted in 1902-1903.]

[C 5 *Cicero* [after B 1].

2 hrs.

Professor MORRIS.

An introduction to the orations of Cicero, dealing chiefly with the structure of the speeches and their historical interpretation, and similar in purpose to course C 4.

Omitted in 1902-1903.]

\*C 6 *Latin Prose Writing* [after B 8].

2 hrs.

Professor OERTEL.

A study of Cicero's *Laelius* from the stylistic point of view. M. Seyffert's edition (2d ed. revised by C. F. W. Müller, Leipzig, 1876) is recommended. Exercises in translation and free composition. Students should provide themselves with H. Menge's *Repetitorium der lateinischen Syntax und Stylistik* (7th ed. 1900) and his *Kurzgefasste Synonymik* (4th ed.). This course is especially designed for those who intend to teach Latin.

A reading knowledge of German is necessary for this course.

[C 9 *Early Latin* [after three years of Latin].

2 hrs.

Professor PECK.

Study of inscriptions and of the ante-classical literature, based on Allen's *Remnants of Early Latin*, Merry's *Fragments*, and Smith's *Selections*.

The course is largely philological and critical, dealing with the origin of forms, constructions and literature, and it is especially commended to those who expect to teach Latin.

This course is open only to those who have done superior work in Latin.

Omitted in 1902-1903.]

\*C 14 *Latin Palaeography* [after three years of Latin]. 2 hrs.  
Mr. C. U. CLARK.

Facility in reading and dating MSS. is acquired by systematic study of the rich university collection of facsimiles. The origin of MS. errors and their bearing upon text criticism are constantly observed. The development of late Latin and Medieval literatures is taken up in detail.

For Outline Survey of Ancient History see courses History B 2 and B 3, pp. 138, 139.

For Roman Architecture, Roman Archaeology, and Latin Inscriptions see courses Classical Archaeology B 3, C 1 and C 2, pp. 87-88. Courses C 1 and C 2 may be counted as C courses in Latin.

## II. GREEK

A 1 *Homer, Lysias, Demosthenes, and Plato.*

[Freshmen.] 3 hrs.

Professors SEYMOUR, GOODELL, and REYNOLDS, Mr. DICKERMAN, and Mr. BASSETT.

Homer's *Iliad*; Lysias, selected speeches; Demosthenes, first and third *Philippics*; Plato, *Apology* and parts of other dialogues; some of the less difficult lyric fragments.

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B 1 *The Athenian Drama.*

3 hrs.

Professors PERRIN and REYNOLDS.

The *Seven against Thebes* of Aeschylus, the *Antigone* of Sophocles, the *Medea* of Euripides, and the *Frogs* of Aristophanes, or

other representative plays, will be read in class, and possibly additional plays will be assigned for private reading. A course of ten or twelve lectures will be given on the Greek theatre, on the origin, evolution, and history of the Greek drama, and its influence on subsequent dramatic literature.

In reading these plays, special emphasis will be laid on their analysis as works of literary art, on the myths which they presuppose and develop, on poetic words, forms, dictions, rhythms, and constructions. Grammatical questions will be discussed only when they are important for the interpretation and illustration of the thought.

[B 2 *Homer* [after A 1]. 2 hrs.

Professor REYNOLDS.

Reading of the entire *Odyssey*. This course is intended for the general student of literature.

Omitted in 1902-1903.]

B 3 *Homer, Theocritus, and the Lyric Fragments* [after B 1]. 2 hrs.

Professor SEYMOUR.

Parts of the *Iliad*, twelve idyls of Theocritus, and the principal fragments of Greek lyric poetry are read rather rapidly, with more attention to their characteristics as literature than to specially linguistic and grammatical questions.

B 4 *Greek Drama* [after B 1]. 2 hrs.

Professor REYNOLDS.

Five or six plays of Euripides are read, with discussion of special topics, and with occasional lectures.

[B 5 *The Testimonies of Aristophanes, Thucydides, and Plutarch to the career of Pericles* [after B 1]. 2 hrs.

Professor PERRIN.

The *Acharnians* of Aristophanes will be read entire, and other testimonies of Old Athenian Comedy to the career and influence of Pericles; those portions of Thucydides also (especially the first and second books, including the Funeral Oration) which bear on the same subject; and finally, the biography of Pericles by Plutarch. The estimates of Pericles by the leading modern historians will also be examined.

Omitted in 1902-1903.]



[B 6 *Plato* [after B 1].

2 hrs.

Professor SEYMOUR.

The *Gorgias* and several of the minor dialogues are read, chiefly with reference to the characteristics of Plato's literary style and the form of the dialogue, but without neglecting entirely the Platonic philosophy.

Omitted in 1902-1903.]

[B 7 *Greek Testament* [after B 1].

1 hr.

Professor SEYMOUR.

A philological study of St. Paul's *Epistles to the Corinthians*, and the chief characteristics of the Hellenistic diction.

Omitted in 1902-1903.]

B 8 *Lucian: Greek Culture under Marcus Aurelius*

[after B 1]. 2 hrs.

Professor REYNOLDS.

A general reading course in prose, with discussion of the life and times of Lucian and of his influence upon later literature. The *Dream*, *Charon*, *Timon*, *Angler*, and *True History* will be read, with many minor pieces, including the *Dialogues of the Gods* and *Dialogues of the Dead*.

B 9 *Greek Composition and Sight Reading* [after B 1]. 2 hrs.

Mr. DICKERMAN.

Exercises in composition and in the translation at sight of selections from Xenophon. The course is designed especially for those who intend to teach.

[B 10 *Modern Greek* [after B 1].

1 hr.

Mr. DICKERMAN.

A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache* as outline. Particular attention will be given to the colloquial language.

Omitted in 1902-1903.]

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[C 1 *Aeschylus and Pindar* [after B 1]. 2 hrs.

Professor SEYMOUR.

The *Persians* and *Prometheus* of Aeschylus, with special attention to the historical element in the *Persians*, as well as to the dramatic structure of the two plays.

The principal extant odes of Pindar are read, and a sketch of Greek lyric poetry is given.

Omitted in 1902-1903.]

\*C 2 *Sophocles* [after B 1]. 3 hrs.

Professor GOODELL.

Reading of the seven extant plays with special attention to the artistic form, including style, treatment of myths, management of the action, use of meters, and the like. A brief but systematic introduction to Greek metric, based on Gleditsch's *Metrik* and the instructor's *Chapters on Greek Metric*, supplemented by lectures and practice in reading, will constitute a part of the course.

For Graduates and specially qualified Seniors and Juniors.

C 3 *Plato and Aristotle* [after B 1]. 2 hrs.

Professor SEYMOUR.

(a) The *Phaedo* of Plato, with an introduction to the literary and philosophical study of this author.

(b) The *Nicomachean Ethics* of Aristotle, Books i-iv and x, with a study of Aristotle's methods of research and statement.

For Outline Survey of Ancient History see courses History B 2 and B 3, pp. 138-139.

### III. CLASSICAL ARCHAEOLOGY

B 1 *Greek Art—I. Sculpture* [after Greek A 1]. 2 hrs.

(To count as a B course in Greek.)

Dr. BAUR.

Lectures and quizzes by the instructor. Special study of the literary sources by the students. If time permits, an outline of Roman historical sculpture will be given.

- [B 2 *Greek Art—II. The Lesser Arts* [after Greek A<sub>1</sub>].  
2 hrs.

(To count as a B course in Greek.)

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This course will treat briefly the subjects of Greek painting, ceramics, terra-cottas, bronzes and other metal work, coins and gems.

Omitted in 1902-1903.]

- B 3 *Greek and Roman Architecture* [after Greek A<sub>1</sub>, and Latin A<sub>1</sub>].  
2 hrs.

(To count as a B course in Greek or in Latin.)

Dr. BAUR.

The various forms of building-construction in Greece and Italy will be successively examined in informal lectures, supplemented by occasional reports from members of the class.

- B 4 *Topography and Monuments of Athens* [after Greek A<sub>1</sub>].  
2 hrs.

(To count as a B course in Greek.)

Dr. BAUR.

A combination of the historical and the strictly topographical methods of treatment will be adopted. Those who intend to take this course should provide themselves with the Teubner text of *Pausanias*.

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- \*C 1 *Introduction to Roman Archaeology* [after three years of Latin].  
2 hrs.

(To count as a C course in Latin.)

Professor PECK.

This course, dealing with the material development of Rome, will include such subjects as the physical peculiarities of Latium, the situation and topography of Rome, the Forum and imperial Fora, temples, tombs, arches and other monuments, roads, money. Special topics will be assigned to the class for investigation and report.

Undergraduate Seniors desiring to take this course must gain the consent of the instructor.

- \*C 2 *Latin Inscriptions* [after three years of Latin]. 2 hrs.  
(To count as a C course in Latin.)

Professor PECK.

Such inscriptions will be studied as illustrate the history of the Latin language and Roman private antiquities.

Only such undergraduates can take this course as have done superior work in Latin.

- [\*C 3 *Greek Antiquities* [after Greek B 1]. 1 hr.  
(To count as a C course in Greek.)

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Select topics in Greek private antiquities as illustrated by the monuments will be investigated by the members of the class, to which only those who are specially qualified will be admitted.

Omitted in 1902-1903.]

#### IV. SANSKRIT, LINGUISTICS, AND COMPARATIVE PHILOLOGY

- B 1 *Elementary Sanskrit* [after Latin A 1 and Greek A 1].  
2 hrs.

Professor HOPKINS.

Instruction in Sanskrit, beginning with Whitney's *Sanskrit Grammar*, and passing on to Lanman's *Reader*. Especially recommended to Seniors who purpose to take graduate work in classical philology.

- \*B 2 *Phonetics* [after Latin A 1 and Greek A 1]. 1 hr.

Professor OERTEL.

A general introduction to Phonetics based on a study of the English, French, and German sound-systems. The course is intended to furnish a basis both for the study of the phonology and for the practical teaching of the various languages. Sweet's *Primer of Phonetics* (1890), and Vietor's *Elemente der Phonetik* (3d ed., 1898) should be in the hands of the student.

The Psychological Laboratory offers to advanced students every facility and all necessary apparatus for the experimental investigation of phonetic problems.

- \*C 1 *Introduction to Comparative Syntax* [after Latin A 1 and Greek A 1]. 1 hr.

Professor HOPKINS.

For this course a knowledge of Sanskrit is desirable but not necessary, and it may be taken by any classical student.

- \*C 2 *Linguistics* [after Latin A 1 and Greek A 1]. 2 hrs.

Professor OERTEL.

An introduction to the scientific study of the life and growth of language. This course, which is general in its nature, is intended for all students, of the classics as well as of the modern languages, who wish to become acquainted with the general principles and chief problems of linguistic science. After discussing briefly the topics treated in the instructor's *Lectures on the Study of Language* (Scribners, 1901) the more important types of language-structure will be taken up, together with the fundamental facts of syntax, the problem of the origin of language, etc. In connection with this, selected chapters of Paul's *Principien der Sprachgeschichte*, 3d ed., 1898, and of Wundt's *Völkerpsychologie*, Band I: Die Sprache (2 vols., 1900), will be critically examined. Stress will be laid on the psychological aspect of linguistic phenomena and on familiarizing the student with the more recent literature. No knowledge of Sanskrit is necessary for this course.

## V. SEMITIC LANGUAGES AND BIBLICAL LITERATURE

- B 1 *Biblical Literature and History (Pre-exilic)*. 2 hrs.

Professor KENT.

A constructive survey of the literature and history of the Hebrews until the Babylonian exile, 586 B. C., each Old Testament book being considered in the light of the conditions and problems of the age in which it was written. The history of the Hebrews is studied in connection with that of the contemporary peoples of Western Asia, and the development of their political, social, and religious institutions is carefully traced. The course aims in general (1) to acquaint the student with the significant facts and forces of ancient Semitic, and especially Israelitish history,

(2) to give a thorough familiarity with the origin, literary form, and essential thought of the contemporary Old Testament books, and (3) to promote an intelligent appreciation of their ethical and religious teachings. This course is intended to serve as a general introduction to the historical, literary, and religious study of the Bible.

**B 2** *Biblical Literature and History (Post-exilic).* 2 hrs.

Professor KENT.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course B 1, the apocryphal literature, and the whole of the New Testament. This course is complete in itself, while, with course B 1, it covers the entire Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history. Especial attention is given to the life and thought of Judaism and to the origin, development, and fundamental teachings of Christianity.

Students in both courses have access to a carefully selected reference library and to much illustrative material.

**[B 3** *Israelitish Laws and Institutions and Old Testament Prophecy.* 2 hrs.

Professors KENT and SANDERS.

First half-year, Professor KENT.

A chronological arrangement of the different codes and a systematic codification and interpretation of the laws found in the Old Testament. With this classification as a basis, the origin, development, and significance of the social, political, and religious institutions of the Israelites are studied and compared with the usages of other ancient peoples.

Second half-year, Professor SANDERS.

A rapid but thorough study of the prophetic literature of the Old Testament chronologically arranged, stress being laid on the distinctive message of each prophet and prophetic period, on the contribution of each to constructive religious thought, and on the gradual attainment of permanent religious ideas and ideals.

Omitted in 1902-1903.]

**B 4 *Hebrew Wisdom and Poetic Literature.* 2 hrs.****Professors KENT and SANDERS.****First half-year, Professor SANDERS.**

An investigation (on the basis of the English translation) of the forms of Hebrew reflective literature and a comparison with the similar literature of other nations. The course will include an interpretation not only of the Biblical books of Proverbs, Ecclesiastes and Job, but the apocryphal books of Ecclesiasticus and the Wisdom of Solomon, and a consideration both of the wisdom writers as a class, and of the importance of this literature in the history of religious thought.

**Second half-year, Professor KENT.**

Investigation (on the basis of the English translation) of the characteristics of Hebrew poetry, classification of the different types found in the Bible, comparison with other examples of Semitic poetry, and a careful study of the relation of literary form to interpretation. Special attention will be given to the origin, structure, and interpretation of the Psalter.

**B 5 *Studies in the Gospels.* 1 hr.****Mr. LENT.**

A survey of the characteristics of the Gospels which throw light on their origin and interpretation, followed by the construction of a life of Christ from the data given in the Gospels.

**[B 6 *The Life and Epistles of Paul.* 1 hr.]****Mr. LENT.**

A study of the life of the Apostle Paul, and of the principal Pauline epistles, taken in their probable order of writing.

Omitted in 1902-1903.]

**B 7 *Hebrew (elementary course).* 2 hrs.****Mr. LENT.**

A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.

**B 8 *Arabic (elementary course).* 2 hrs.****Dr. PATTON.**

The elements of Arabic grammar, including exercises in writing. Rapid reading of easy prose extracts. The text-books used will be Socin's *Grammar* and Brünnow's *Chrestomathy*.

This course affords a thorough introduction to classical Arabic. It is valuable to those who are interested in Semitic study or in Comparative Religion, and is only moderately difficult for one who has already studied Hebrew.

B 9 *Assyrian (elementary course).* 2 hrs.

Dr. PATTON.

The aim of the course is to give the student a good introduction to the Assyrian language and literature. Special attention will be given to practice in reading both cuneiform and transliterated texts. The books used will be Lyon's *Assyrian Manual*, 2d edit., and Delitzsch's *Lesestücke*, 4th edit. (1900).

B 10 *General Introduction to Semitic Philology.* 1 hr.

Professor TORREY.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No previous knowledge of the Semitic languages is required for this course, though some acquaintance with at least the Hebrew language is desirable.

[B 11 *The Discovery and Decipherment of the Ancient Inscriptions.* 1 hr.]

Professor KENT.

A review of the history of excavations in ancient Assyria, Babylonia, Syria, and Egypt, with a study of the problems and methods of the modern excavator. A survey of the different forms and types of Semitic and Egyptian inscriptions and the history of their decipherment.

Omitted in 1902-1903.]

B 12 *Pauline Epistles.* 3 hrs. 1st term.

Professor BACON.

Critical interpretation of Galatians with comparison of the other major epistles. The work of the class with commentaries and exegetical apparatus, followed by the instructor's critical and exegetical summary. Essays by the class on special points of exegesis and Pauline doctrine.



**B 13** *Synoptic Gospels.*

3 hrs. 2d term.

Professor BACON.

Similar study of Mark with comparison of Matthew and Luke. Questions of a historico-critical character bearing on the life of Christ mainly discussed and summarized by the instructor. Essays by the class on questions relating to the origin and nature of Synoptic tradition.

**B 14** *Christological Epistles.*

1 hr. 1st term.

Professor BACON.

Lectures on Ephesians and related epistles of Paul, aiming to show the history and type of the higher Christology. Essays by the class on questions of authenticity, etc.

**B 15** *New Testament Encyclopaedia.*

1 hr. 2d term.

Professor BACON.

Lectures on the field and apparatus of New Testament study, philology, archaeology, textual and higher criticism. Open only to those who take this study.

Courses B12-15, in conjunction with Professor Stevens' course in *Theism and Apologetics*, are intended for those who desire to anticipate the work of the first year in the Theological department.

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**C 1** *The Minor Prophets (Hebrew).*

2 hrs. 1st term.

Professor KENT.

Critical translation and interpretation, with a special study of the political, social, and religious teachings of each prophet. The elements of Hebrew grammar will also be thoroughly reviewed.

**C 2** *Hebrew Syntax.*

2 hrs. 2d term.

Professor KENT.

A study of the principles of the Hebrew syntax, with the reading of a variety of passages with special reference to syntactical interpretation.

## MODERN EUROPEAN LANGUAGES AND LITERATURES

### ROMANCE LANGUAGES

#### DIRECTIONS AS TO CHOICE OF ELECTIVES

Of the following courses, C 3 and C 4 are properly for graduate students, and are open to those Seniors only who wish to carry the study beyond the usual limits of modern literature.

Course A 3 is for students who have the minimum French training. Those who choose it may not take any other elective in that language, but the courses in Italian and Spanish are open to them.

All the others are of general interest and open both to Juniors and to Seniors. The selection in each individual case should depend, next to the student's wish, on the relative amount and success of previous training. Each course is followed by a statement of the qualifications required, but consultation with the instructors is strongly advised when not otherwise required.

For Phonetics, see IV B2 (p. 88).

### VI. FRENCH

The courses in French are graded as follows :

GRADE A.  
Second-Year French.  
Either  
Freshman Advanced  
or  
Sophomore Second year,  
or  
Course A 3.

GRADE B.  
Sophomore Advanced.  
Literature of Seventeenth  
Century.  
Literature of Nineteenth Cen-  
tury.

GRADE C.  
General View of Literature  
(in French).  
Molière.  
Literature of Sixteenth  
Century.  
Realists and Naturalists.

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*Elementary French.*

[Freshmen and Sophomores.] 3 hrs.

Mr. FARNSWORTH and Dr. CURDY.

A careful study of the main facts of French Grammar and practice in pronunciation. As soon as possible the reading of easy French prose is taken up.

This course cannot be taken later than Sophomore year.

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*A 1 Freshman Advanced French.* 3 hrs.

Professor WARREN, Assistant Professor SANDERSON, Mr. FARNSWORTH, and Dr. CURDY.

See statement under course A 2.

*A 2 Sophomore Second-Year French.* 3 hrs.

Dr. McKENZIE and Dr. CURDY.

Reading from standard French authors; a short course in French syntax accompanied by exercises in composition, oral practice or dictation.

*A 3 Second-Year French.* 3 hrs.

Dr. McKENZIE.

Reading from French authors, mainly of the nineteenth century. This course is open to students who have had only one year of French.

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*B 1 Sophomore Advanced French.* 3 hrs.

Assistant Professor SANDERSON, Dr. McKENZIE, and Mr. FARNSWORTH.

French Prose and Poetry. Composition. Masterpieces of the last three centuries are read. Also French prose and verse are read without translating. One division is *conducted in French*.

*B 2 French Literature of the Seventeenth Century.* 2 hrs.

Professor WARREN.

Study of Corneille, Molière and Racine. Selections from Descartes, Pascal, Bossuet, La Bruyère, and other prose writers.

**B 3** *French Literature of the Nineteenth Century.* 2 hrs.

Assistant Professor SANDERSON.

Study of representative works beginning with V. Hugo and the French Romanticists and reaching as near the present day as time will allow. The reading will be in such order, and accompanied by such comments and lectures, as to give a clear view of French literary thought in the nineteenth century. Open to students who have taken Sophomore French or the equivalent.

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**C 1** *General View of French Literature.* 3 hrs.

Assistant Professor SANDERSON.

Open to students who have taken B 1 with credit or can satisfy the instructor that they are qualified. All exercises, written and oral, being intended to impart a command of the language as well as a knowledge of the literature, are *conducted in French*. Masterpieces of literature from the sixteenth century to the present day are read.

**C 2** *Molière.* 1 hr.

Assistant Professor SANDERSON.

A linguistic and literary study of such plays as *le Misanthrope*, *le Tartuffe*, and *les Femmes Savantes*.

Open to seniors and graduates, or other students duly qualified.

The course is *conducted in French*.

**\*C 3** *French Literature of the Sixteenth Century.* 1 hr.

Professor WARREN.

Readings from authors of the sixteenth century, based on Darmesteter and Hatzfeld: *Le Seizième Siècle en France*. This course, which is both linguistic and literary, is primarily for graduates, but is open also to undergraduates who have the requisite training.

**\*C 4** *Realists and Naturalists.* 2 hrs.

Professor WARREN.

Lectures and papers on the modern Realistic School of France. This course is primarily for graduates, but is open also to undergraduates who have the requisite training.

## VII. ITALIAN

The courses in Italian are graded as follows:

GRADE A.	GRADE B.	GRADE C.
Elementary.	Dante.	Petrarch and Boccaccio.

A I *Italian (Elementary)*. 3 hrs.

Dr. McKENZIE.

This course is open to those who have studied French for at least two years, or who shall otherwise satisfy the instructor of their fitness to take Italian. Stress will be laid on the acquisition of a good pronunciation and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge.

Grandgent's *Italian Grammar* and *Italian Composition*; Comedies by Goldoni; selections from Manzoni, E. de Amicis, and other authors.

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B I *Dante's Life and Works*. 2 hrs.

Dr. McKENZIE.

This is a strictly literary course, open only to those who have completed course A I, or who shall otherwise satisfy the instructor of their fitness to take it.

After some introductory lectures on Italian poetry previous to Dante, and its relations to the literatures of Provence and of France, the *Vita Nuova* and selections from the *Divina Commedia* will be read and explained.

Students will provide themselves with Casini's edition of *La Vita Nuova* (2d ediz., Firenze, 1891), Fraticelli's edition of *La Divina Commedia* (Firenze, 1898), and Gardner's *Dante* (The Temple Series), 1900.

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C I *Petrarch and Boccaccio*. 2 hrs.

Dr. McKENZIE.

A study of the Italian writings of Petrarch and Boccaccio, and of their influence on the humanistic movement. Rigutini's *Le Rime di Francesco Petrarca* (Milano, Hoepli, 1896); Fornaciari's *Novelle scelte dal Decamerone di G. Boccaccio* (Firenze Sansoni, 1889).

This course is primarily for graduates, but is open also to properly qualified undergraduates.

## VIII. SPANISH

The courses in Spanish are graded as follows :

GRADE A.	GRADE B.	GRADE C.
Elementary. (At least one year of French or its equivalent is presupposed.)	19th Century.	Literature of the 16th and 17th Centuries.

A 1 *Elementary Spanish.* 3 hrs.

Three sections: Monday, Wednesday, Friday, 9.30.  
Monday, Wednesday, Friday, 10.30.  
Tuesday, Thursday, Saturday, 9.30.

Professor LANG and Dr. SCHWILL.

In this course, stress will be laid on the acquisition of a good pronunciation, and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge, which is the leading aim of the instruction.

Garner's *Spanish Grammar*; Alarcon's *El Capitán Veneno* and, if time permit, some of Perez Galdós' *Episodios nacionales* will be used as text-books.

B 1 *Spanish Prose of the Nineteenth Century.* 2 hrs.

Professor LANG.

The object of this course, which is open to students who have done good work in course A 1, or who otherwise satisfy the instructor of their fitness to take it, is to give the student fluency in reading Spanish. In addition to the reading done in the class-room, a number of texts will be assigned for outside study. The following will be among the works to be read: Perez Galdós, *Doña Perfecta*; Fernan Caballero, *La Gaviota*; Alarcón, *El Escándalo*; Valdés, *La Alegría del Capitán Ribot*; Coloma, *Pequeñeces*; Juan Valera, *A Vuela Pluma*; *Artículos literarios y políticos*.

B 2 *Reading and Composition in Spanish.* 2 hrs.

Dr. SCHWILL.

This course is designed for those who require the use of Spanish for commercial purposes. The writing of letters and the reading of commercial papers will be especially considered. Open to students who have taken A 1.

- C 1 *Spanish Prose of the Sixteenth and Seventeenth Centuries.*  
2 hrs.

Professor LANG.

This course is open only to students who have taken course B 1, or who shall satisfy the instructor as to their fitness to take it by passing a special examination. *Lazarillo de Tormes*, Cervantes' *Don Quijote* and *Novelas Ejemplares*, etc., will be read in class, while additional work will be assigned for private study. The student's attention will be directed to the relation of Spanish literature in this period to other literatures, especially those of France and England.

- C 2 *The Spanish Drama of the Sixteenth and Seventeenth Centuries.*  
2 hrs.

Dr. SCHWILL.

This course will consist of lectures in connection with the reading in class of selected plays by Lope de Vega, Tirso de Molina, Calderón, etc. Work will be assigned for reports to be made in class. Open to students who have had two years of Spanish or its equivalent.

## IX. RUSSIAN

- A 1 *Elementary Russian.* 3 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

- B 1 *Advanced Russian.* 3 hrs.

A general course in Russian literature in connection with the reading of a historical chrestomathy and the detailed study of a few important works.

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## COURSES IN THE GERMANIC LANGUAGES

The course in Elementary German is not open to Juniors or Seniors.

Students who have had but one year of German and wish to continue its study, should choose course A 3.

Students who have had but two years of German and wish to continue its study, should choose between courses B 2 and B 4, but have course B 3 also open to them. Courses B 2 and B 4 are intended to be parallel courses differing in subject-matter and vocabulary, and choice between them should be made according to the interest in one or the other subject-matter and vocabulary.

Students who have had three years of German should choose among courses B 3, C 1, C 2, and C 4, but have courses B 2 and B 4 also open to them.

Courses C 3, C 5, C 6, C 7, C 8, C 9, and C 10 are primarily graduate courses, and are not to be chosen without the previous advice and consent of the instructor.

Of the courses in Scandinavian, courses A 1 and A 2 are open only to those who have had at least one year of German; course C 1, primarily a graduate course, is not to be chosen without the previous advice and consent of the instructor.

## X. GERMAN

The courses in German are graded as follows:

GRADE A.	GRADE B.	GRADE C.
Second-Year German.	Sophomore Advanced.	Goethe.
Either	Prose Reading.	Hist. of Literature
Freshman Advanced	Composition.	and <i>all</i> graduate
or Sophomore Second-	Schiller.	courses.
year or Course A 3.		

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*Elementary German.* [Freshmen and Sophomores.] 3 hrs.  
Mr. FARR, Mr. BAKER, and Mr. WARD.

Grammar. Translation from German into English of simple narrative prose. Elementary exercises in translating into German. Practice in pronunciation.



The course is intended to give to the student a knowledge of such grammatical elements as will enable him to read easy German at sight, and to put easy English sentences into German. The reading will be of simple narrative prose.

This course cannot be taken later than Sophomore year.

A 1 *Freshman Advanced German.* 3 hrs.

Professor GRUENER and Mr. JENTE.

See statement of course A 3.

A 2 *Sophomore Second-Year German.* 3 hrs.

Mr. JENTE.

See statement of Course A 3.

A 3 *Second-Year German.* 3 hrs.

Professor GRUENER and Mr. FARR.

Reading of short stories and selections from more difficult prose and poetry; practice in writing German; study of word-formation. Students who have had one year of German, and wish to continue its study, will choose this course, which is open only to those who have taken elementary German in Freshman or Sophomore year, and to those who have passed the admission examination in German.

B 1 *Sophomore Advanced German.* [Sophomores.] 3 hrs.

Professor PALMER and Mr. FARR.

Either *a* or *b* may be taken, but *not both*.

*a* Professor PALMER.

*German Drama.*

Rapid reading of dramas of the eighteenth and nineteenth centuries. Lessing's *Nathan der Weise*, Goethe's *Götz von Berlichingen* and *Iphigenie auf Tauris*, Schiller's *Die Braut von Messina* and Kleist's *Prinz Friedrich von Homburg* will be taken in this order, and then, as time allows, one drama each of Grillparzer, Hebbel and Wildenbruch, while Sudermann's *Johannes* and Hauptmann's *Die Versunkene Glocke* will be read at the end of the year.

b Mr. FARR.

*German Prose.*

Rapid reading of selections from history, political writings, and literary criticism taken from contemporaneous sources. The object of the course will be to acquaint the student more fully with the historical and critical vocabularies and styles.

Weekly exercises throughout the year in German composition.

B 2 *Prose of Modern Historians and Critics.* 2 hrs.

Mr. FARR.

Rapid reading of selections from history, political writings, and literary criticism. The object of this course will be to acquaint the student more fully with the historical and critical vocabularies and styles. The course is open only to those who have previously had at least two years of German.

\*B 3 *German Composition and Conversation.* 3 hrs.

Mr. FARR.

For practice in speaking and writing. The course, conducted in German, is especially intended for those who look forward to teaching German and open to those only who have done superior work in German. Translation into German of narrative prose and of selections from history and literature; during the second term, original essays; special topics are assigned for discussion in German. This course is not to be chosen without the previous advice and consent of the instructor.

B 4 *Schiller, Works and Life.* 2 hrs.

Professor GRUENER.

Rapid reading of plays, poems, and prose writings of Schiller, with study of his life. The object of this course will be to acquaint the student more fully with the vocabulary and style of standard German literature, and to present Schiller's character and influence as a writer and thinker. The course is open only to those who have previously had at least two years of German.

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**C 1** *Goethe, Life, Shorter Poems and Faust.*

2 hrs.

Professor PALMER.

Together with outline study of Goethe's life a large number of his shorter poems will be read in chronological order, and then particular attention given to the translation and interpretation of *Faust* (both parts). The course is open only to those who have already had a B course or its equivalent.

**C 2** *Goethe, Prose Works.*

1 hr.

Professor PALMER.

Reading and discussion of Goethe's more important prose works and utterances in letters, journals, and conversations. The course is open only to those who at the same time take or have already taken C 1.

**[\*C 3** *German Literature of the Reformation Period  
(1500-1624).*

3 hrs.

Professor GRUENER.

The development of German literature will be studied from the beginning of the Reformation to the time of Opitz. Characteristic works of the important writers of the period will be read, chiefly for literary purposes, though also with reference to the political, social, and religious conditions of the times.

Omitted in 1902-1903.]

**[C 4** *History of German Literature, 1624-1832.*

2 hrs.

Professor PALMER.

The development of German literature will be studied from the time of Opitz to Goethe's death. The text-books will be: Kluge's *Geschichte der deutschen National-Litteratur*, Scherer's *History of German Literature*, Max Müller's *German Classics*, and Hillebrand's *German Thought from the Seven Years' War to Goethe's Death*. The course is open only to those who have previously had a B course or its equivalent.

Omitted in 1902-1903.]

**[\*C 5** *Introduction to Germanic Philology.*

2 hrs.

Professor PALMER.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental

facts. The basis of the work will be Paul's *Grundriss der Germanischen Philologie*, of which portions will be read, discussed and supplemented by informal lectures.

Omitted in 1902-1903.]

\*C 6 *Gothic.* 2 hrs.

Professor PALMER.

An introductory course, especially for those intending to study German or English historically, in the study of Gothic and its phonological relations both to earlier Indo-Germanic and to later Germanic languages. Braune's *Gotische Grammatik*, or Streitberg's *Gotisches Elementarbuch*, Heyne's *Ulfilas*, Streitberg's *Urgermanische Grammatik*, or Dieter's *Altgermanische Dialekte*, and Henry's *Comparative Grammar of English and German*.

[\*C 7 *Old High German.* 3 hrs.

Professor CORWIN.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch* and the collateral literature for reference.

Omitted in 1902-1903.]

\*C 8 *Middle High German.* 3 hrs.

Professor GRUENER.

Hartmann; *Der arme Heinrich* and *Iwein*. *Nibelungenlied*. Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parzival*. Lectures and papers.

[\*C 9 *History of New High German.* 2 hrs.

Professor CORWIN.

The earlier periods of the language will first be surveyed for the purpose of gaining a comprehensive view of the chief linguistic phenomena and their causes. Upon this basis a more special study will be made of the origin and development of New High German.

Omitted in 1902-1903.]

\*C 10 *Early Dramatic Literature of Germany.* 3 hrs.

Professor PALMER.

Studies in the origins and earliest history of the drama in Germany.

## XI. SCANDINAVIAN

Courses in the Scandinavian languages and literatures are graded as follows:

## GRADE A.

Elementary Norwegian.

Elementary Swedish.  
(At least *one* year of German, or its equivalent, is presupposed.)

## GRADE C.

Old Norse.

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A 1 *Norwegian and Danish.*

2 hrs.

Professor PALMER.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, there will be read selections from the writings of modern authors.

[A 2 *Swedish.*

2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, there will be read selections from the writings of modern authors.

Omitted in 1902-1903.]

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\*C 1 *Old Norse (Icelandic).*

3 hrs.

Professor PALMER.

Grammar, and reading in the Sagas and the Elder Edda.

## XH. ENGLISH

## COURSES IN RHETORIC

*Note.* Course B 1 is a necessary preliminary to any other course in composition. All the other B courses in rhetoric, except B 3, are open both to Juniors who have completed B 1 and to Seniors who have completed B 2, 4, 5, or 6.

B 1 *Rhetoric.* 1 hr.

Asst. Professor BALDWIN, Dr. TAYLOR, and Mr. THURBER.

Recitations and lectures, one hour a week in survey of the whole field of prose composition; frequent essays, with regular appointments for the criticism of each.

This course is taken only in connection with English B 1, below.

B 2 *Argumentation* [after B 1]. 2 hrs.

Assistant Professor BALDWIN and Mr. TROWBRIDGE.

Essays and lectures; study of speeches; subsidiary practice in research, speech-making, and debate; regular appointments for criticism.

[\*B 3 *Verse Composition.* 1 hr.

Professor LEWIS.

Regular weekly or fortnightly practice in verse composition, with individual appointments for consultation and criticism. The purpose of this course is partly to familiarize the student with the chief varieties of English verse and stanza (such as blank verse, heroic verse, the sonnet, etc.), and partly to give him the added command of language that results from practice in difficult forms.

Omitted in 1902-1903.]

B 4 *Short Themes* [after B 1]. 1 hr., to count as 2 hrs.

Assistant Professor BALDWIN.

Five themes a week (for one term), translations, impromptus, and other studies in style; lectures and reports; regular appointments for criticism.

B 5 *Story-Writing* [after B 1]. 1 hr., to count as 2 hrs.

Dr. TAYLOR.

Systematic practice in narrative ; lectures on narrative forms ; regular appointments for criticism.

B 6 *Essay-Writing* [after B 1]. 1 hr., to count as 2 hrs.

Mr. THURBER.

Systematic practice in several forms of essay ; discussions of nineteenth century essayists ; regular appointments for criticism.

C 1 *Six Essays in Criticism* [after B 2, 4, 5 or 6].

[Seniors.] 1 hr.

Assistant Professor BALDWIN.

Lectures and reports on essayists and reviewers ; regular appointments for criticism.

C 2 *Theory of the Drama* [after B 1]. [Seniors.] 1 hr.

Dr. TAYLOR.

A study of dramatic technique ; lectures and discussions based on a reading of typical stage-plays ; six required essays on subjects connected with the course, and optional practice in dramatic composition.

#### COURSES IN ENGLISH LITERATURE

A 1 *Shakespeare and Victorian Literature.*

[Freshmen.] 3 hrs.

Dr. OSGOOD, Mr. J. C. ADAMS, and Dr. ROOT.

*Henry IV*, Part I, *Julius Caesar*, *As You Like It*, *King Lear* ; Carlyle's *Heroes and Hero-Worship* ; Ruskin's *Sesame and Lilies* ; readings in Gates' *Selections from Matthew Arnold* ; Palgrave's *Golden Treasury* ; Tennyson's *Idylls of the King*, with selected shorter poems of Tennyson. The course aims principally to develop an intelligent appreciation of the best poetry and prose.

B 1 *History of English Literature.* 2 hrs.

Professor LEWIS and Assistant Professor REED.

A general outline course, preparatory to the study (in more advanced courses) of special periods and topics. For the earliest periods Lewis's *Beginnings of English Literature* is used.

The later history is studied chiefly as it is illustrated by the works of standard authors, but this study is supplemented by occasional explanatory lectures. Among the authors read are the following: Spenser—*Faerie Queene*, Book I. Shakespeare—*Othello*, *Hamlet*, *Winter's Tale*. Milton—several of the Minor Poems, *Comus*, and four books of *Paradise Lost*. Addison—selected essays from the *Spectator*. Steele—Carpenter's *Selections*. Pope—*Rape of the Lock*, *Eloisa to Abelard*, *Essay on Criticism*, and other poems. Swift—*Gulliver's Travels*. Gray—Phelps' *Selections* from his poetry and prose. Sheridan—*The School for Scandal*. Macaulay—*Life of Dr. Johnson*.

This course is taken only in connection with Rhetoric B 1, above.

B 2 *Chaucer.*

2 hrs.

Dr. ROOT.

After a brief study of the more important features of fourteenth century English, selected portions of the *Canterbury Tales* will be studied in detail, together with a rapid reading of the greater part of Chaucer's poetry. During the spring term several *passus* of *Piers Plowman* will be read in Skeat's smaller edition, and other fourteenth century writers such as Wiclif, Gower, and the author of *Sir Gawayne* will receive some attention. An attempt to realize the religious, social, and artistic conditions of fourteenth century England, and in general of the later Middle Ages.

B 3 *English Comedy.*

1 hr.

Dr. TAYLOR.

A reading course in the development of English comedy from its first expression to the drama of Sheridan.

B 4 *Shakespeare.*

[Juniors] 2 hrs.

Professor BEERS.

A rapid reading of all, or nearly all, of the undoubted plays of Shakespeare, with special attention to points of dramatic construction and character presentation.

[B 5 *Elizabethan Drama.*

2 hrs.

Professor PHELPS.

The English drama, from the mystery plays to the closing of the theatres in 1642, studied from both the literary and the dramatic point of view. Plays of the pre-Elizabethan period are



read and briefly discussed, with the object of getting a historical background. Some plays of all the principal dramatists from 1580 to 1640, except Shakespeare, will be read: Marlowe, Ben Jonson, Dekker, Heywood, Chapman, Middleton, Beaumont and Fletcher, Webster, Ford, Massinger, Shirley. As a rule, one play will be read for each lesson.

The method of instruction in this course will be by lectures. A weekly one-page critical theme will be required of each student in the class.

Omitted in 1902-1903.]

**B 6** *Aspects of the Drama.* [Seniors.] 2 hrs.

Professor BEERS.

A course in the various types and classes of English drama, from Shakespeare to the present day; with incidental treatment of foreign plays. The instruction will be partly by lectures and partly by recitation work.

**\*B 7** *English Prose.* [Juniors.] 2 hrs.

Assistant Professor REED.

The instruction in this course will be given by lectures, and brief papers on the assigned reading will be written by the class at each exercise. The first half of the course will be devoted to a study of prose other than fiction, from Sidney to Johnson. Among the authors to be read are Bacon, Browne, Walton, Pepys, Addison, Swift, and Johnson.

The second half of the course will be given to a study of fiction, from the Elizabethan romances to Jane Austen. Among the authors to be read are Lodge, Dekker, Overbury, Defoe, Richardson, Fielding, Walpole, Mrs. Radcliffe, Miss Edgeworth, and Jane Austen.

A considerable amount of reading will be required in this course.

**B 8** *Samuel Johnson and his Circle.* 2 hrs.

Dr. OSGOOD.

A study of Johnson, largely as reflected in Boswell's *Life*, and of the more eminent members of the Literary Club, such as Goldsmith, Garrick, Burke, Gibbon, and Reynolds. The course aims to acquaint the student with these personalities, especially in relation to the social, political, and literary conditions, and the art, of the times. It will include considerable reading in the literature of the period.

**B 9 *American Literature.***

1 hr.

Professor PHELPS.

A course of lectures on leading American authors of the past hundred years, beginning with Franklin, and coming down to the men of to-day. A large amount of reading will be required; also a weekly one-page critical theme from each member of the class.

**B 10 *English Poets of the Nineteenth Century.***

[Juniors.] 2 hrs.

Professor LEWIS.

A course of lectures, biographical and critical. A considerable amount of reading will be assigned, and short papers will be written by the class at each exercise. The course will include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Rossetti, Clough, Arnold, Morris, Swinburne, and a few others.

**B 12 *Tennyson and Browning.***

2 hrs.

Professor PHELPS.

The autumn term will be occupied with the study of Tennyson. Practically all of his poetry will be read. His theory of the poet's art, his skill in technique, his artistic expression, and his representation of nineteenth century ideas will be studied in detail.

After Christmas, the complete works of Browning will be taken up, only those being omitted which are unnecessary in forming a general estimate of his work as a poet. His personal force, his growth, his attitude toward his art, and his place in nineteenth century poetry will be considered; but the chief attention will be paid to his analysis of human life and character.

The instruction in this course will be by means of recitations, discussions, and the preparation of short special papers by the students.

**\*B 13 *English Literary Criticism.***

2 hrs.

Mr. J. C. ADAMS.

An historical survey of literary criticism in England since the middle of the sixteenth century. The course aims to define and illustrate the varying ideals that have successively prevailed in critical theory and practice from Ascham to Pater. Among the

authors to be read are Ascham, Sidney, Puttenham, Jonson, Rymer, Dryden, Pope, Addison, the Wartons, Johnson, Jeffrey, Wordsworth, Coleridge, Hazlitt, Lamb, Arnold, and Pater. Lectures, reports, and discussion of the assigned reading.

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**C 3** *Medieval Allegory.*

2 hrs.

Professor BEERS.

The *Purgatory* of Dante, the *Romaunt of the Rose*, and a portion of *Piers Plowman* will be read in class, together with other texts illustrative of the subject. A fair reading knowledge of Italian is required of students electing this course.

**\*C 4** *Theories of Poetry.*

[Seniors.] 2 hrs.

Professor COOK.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense of Poesy*, Woodbridge's *The Drama*, Boileau's *Art of Poetry*, Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

**C 5** *Old and Middle English.*

2 hrs.

Professor COOK.

An elementary course in the beginnings and earlier development of the English language and literature. Reading is begun at the earliest practicable moment, and the study is made as literary in character as is consistent with a thorough grounding in the rudiments of the language. This course, while it is indispensable to all graduate students and future teachers of English, and will be of service also to students of English history and of the English Bible, is designed as well for those who, in the pursuit of general culture, are unwilling to remain ignorant of the foundations of the English language and literature.

**\*C 6** *Dante in English.*

[Seniors.] 2 hrs.

Professor COOK.

A course primarily in the *Divina Commedia* and the *Vita Nuova*, though selections from the other works are also read.

Two or three of the best English translations are employed, together with such reference books as may be necessary. Much attention is bestowed upon the historical and literary background of the poet and his works.

**\*C 8 *English Lyrical Poetry.* [Seniors.] 2 hrs.**

Assistant Professor REED.

A lecture course, with brief papers on the assigned reading, on the origin and development of the English lyric from Skelton to the present day. Among the many authors to be read are Wyatt, Sidney, Spenser, Shakespeare, Campion, Donne, Jonson, Carew, Crashaw, Suckling, Herrick, Marvell, Prior, Gay, Burns, Blake, and Shelley.

**\*C 10 *Elizabethan Literature.* [Seniors.] 2 hrs.**

Professor PHELPS.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Wyatt, Surrey, Ascham, Foxe, Painter, Lyly, Raleigh, Greene, Nash, Lodge, Marlowe, Hooker, Sidney, Spenser, Shakespeare, Davies, Drayton, Chapman, and others, will constitute the required reading. Lectures, discussions, and preparation of special papers by members of the class.

**C 11 *Shakespeare.* [Seniors.] 2 hrs.**

Professor LEWIS.

A minute study of three or four of the greater plays, such as *Hamlet*, *King Lear*, *Macbeth*. Textual criticism, investigation of disputed readings and of dates and sources, and comparison of the work of various commentators.

**C 12 *Milton and his Contemporaries.* 2 hrs.**

Professor BEERS.

The subject will be treated with special reference to the political and religious conflict of the times. All of Milton's English verse will be read, a few of his Latin poems, and much of his prose. The work of the Church poets and Cavaliers will be examined, as also various diaries and memoirs, and portions of the writings of Fuller, Clarendon, Butler, Marvell, Bunyan, etc.

**\*C 13** *English Literature of the Seventeenth Century.*

[Seniors.] 2 hrs.

Professor PHELPS.

A study of English poetry and prose from Donne to Dryden. The poetry of Donne, Drummond, Herbert, Crashaw, Vaughan, Quarles, Carew, Suckling, Herrick, Cowley. Milton, Waller, Marvell, Butler, and Dryden will be read; also the prose of Burton, Browne, Taylor, Pepys, Fuller, Walton, Clarendon, Milton, Bunyan, and Dryden. The social life of the times is discussed in connection with some of the authors mentioned above.

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## COMPARATIVE LITERATURE

**[\*C 1** *Comparative Literature.*

2 hrs.

Dr. SCHWILL.

The drama; a study in principles of dramaturgy. The development of the drama as a literary and histrionic art among the various nations. Dramas, both ancient and modern, will be examined and compared. Special stress is laid on the Renaissance. Reports and discussion of assigned reading. A reading knowledge of French and German is required. Spanish may be offered in place of one.

Omitted in 1902-1903.]

## (2) MATHEMATICS AND THE PHYSICAL AND NATURAL SCIENCES

### XIII. MATHEMATICS

A 1 *Solid Geometry, Plane Trigonometry, and Mechanics or Analytical Geometry.* [Freshmen.] 3 hrs.

Professor BEEBE, Assistant Professor PORTER, Drs. HAWKES and GALE.

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B 1 *Calculus* [after A 1]. 3 hrs.

Professor PHILLIPS.

The elements of the Differential and Integral Calculus.

Since the Calculus lies at the foundation of the modern treatment of the quantitative sciences, all students who wish to acquire more than an elementary knowledge of Physics, Astronomy, the Engineering Sciences, theoretical Chemistry, mathematical Economics, physiological Psychology, etc., as well as those students who are more especially interested in pure Mathematics, should take this course.

B 2 *Analytical Geometry* [with or after B 1]. 3 hrs.

Dr. GALE.

This course proposes to give an account of the more elementary parts of Modern Analytical Geometry. Students who wish to make Mathematics their specialty, as well as those who wish to make rapid progress in Physics, Astronomy, the Engineering Sciences, etc., should take this course in connection with the Calculus in their Sophomore year. Otherwise it may be taken in the following year. Instruction will be given by lectures, accompanied by practical work in the solution of problems.

Books of reference : Ashton, *Plane and Solid Geometry* ; Briot and Bouquet, *Géométrie Analytique* (English translation) ; Salmon's *Conic Sections* ; Simon, *Analytische Geometrie der Ebene* ; Simon, *Analytische Geometrie des Raumes*. Open only to those who take or have taken B 1.

**B 3** *Spherical Geometry and Trigonometry ; Surveying, Navigation, and Nautical Astronomy* [after A 1]. 3 hrs.

**Dr. HAWKES.**

A short course in Surveying, and a complete elementary course in Navigation, embracing plane sailing, middle latitude sailing, sailing by Mercator's chart, and correction of courses. Instruction in Nautical Astronomy will include the subject of Time, with the methods of finding latitude and longitude by observations of heavenly bodies, and numerous examples illustrating these methods; the use of tables and the Nautical Almanac as far as they are required. Instruction in the use of the sextant will also be given to pupils desiring it.

Those who propose to take course B 5 must consult Professor Phillips beforehand, whose approval, in writing, is required. This course together with course C 9, for Seniors, is designed especially for students who intend to take a graduate course in Mechanical Engineering.

**B 5** *Descriptive Geometry and Machine Drawing.*

3 hrs., to count as 2 hrs.

**Professor C. B. RICHARDS and Assistant Professor MARSHALL.**

Course B 5 is open only to a limited number of those who have studied the Mathematics of the Sophomore year. The course includes the principles of orthographic projection, the intersection and development of surfaces; in the second term, elements of machine drawing.

**B 6** *Descriptive Astronomy.*

3 hrs. 2d half-year.

**Professor BEEBE.**

Intended principally for the study of topics connected with the historical and physical side of astronomy. Only so much mathematical work is introduced as is essential to an understanding of such topics. Text-book: Young's *Elements of Astronomy*.

Opportunity will be given for study of constellations and observation with the telescope.

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The following courses, C 1 to 9, should not be taken without permission of the instructor.

C 1 *Advanced Calculus* [after B 1 and with or after B 2].  
3 hrs.

Professor PIERPONT.

This is a continuation of the first course in Calculus, and in turn leads up to courses in higher analysis and geometry. More advanced parts of the Calculus are here treated, especial attention being given to applications to the theory of curves and surfaces.

Books of reference: Byerly's *Differential and Integral Calculus*; Serret-Bohlmann, *Differential und Integral Rechnung*.

C 2 *Analytical Mechanics* [after B 1]. 3 hrs. 1st half-year.  
Professor BEEBE.

The object of this course is to introduce the student to the more important facts of statics and dynamics, making use of the Calculus. To develop the student's mechanical intuition, a large variety of problems is given.

Books of reference: Bowser, *Analytical Mechanics*; Ziwet's *Mechanics*; Williamson's *Dynamics*; Voigt, *Mechanik*; Appell's *Traité de Mécanique rationnelle*.

C 3 *Celestial Mechanics* [after B 1, B 2 and C 2].  
3 hrs. 2d half-year.

Professor BEEBE.

Development of formulae and numerical calculations for determining the parabolic orbit of a comet from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to computation of elliptic orbits and the discussion of perturbations.

C 4 *Projective Geometry* [after B 1 and B 2]. 3 hrs.  
Professor PIERPONT.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics, and quadric surfaces and the linear transformation in the plane and in space.



**C 5** *Vector Analysis* [after B 1]. 3 hrs.  
Professor GIBBS.

In the first part of this course, the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The matter taught is not entirely unlike that usually given in courses in Quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's. The same method is then applied to differentiation with respect to position in space, the theory of the potential and allied functions, and that of linear vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed as an introduction to the study of mathematical physics.

**C 6** *Higher Algebra*. 3 hrs.  
Dr. HAWKES.

Topics of the following nature will be treated: Integral rational functions, reducibility, symmetric functions, quadratic forms, numerical solution of equations, elimination, Kronecker's theory of characteristics, Roots of unity, Galois' theory.

**C 7** *Differential Equations and Function Theory* [after C 1]. 3 hrs.

Assistant Professor PORTER.

Topics are: definite integrals, Gamma functions, elements of the function theory of a complex variable, elliptic functions with application to physics and geometry, differential equations, particularly the equations of mathematical physics.

**[C 8** *Practical Astronomy* [after B 6]. 2 hrs.  
Professor BEEBE.

Observatory work with astronomical transit and chronograph for determination of sidereal and standard time, and with sextant and theodolite for determination of latitude and azimuth, numerical computations for reduction of observations, derivation of formulae, and recitations from Loomis's *Practical Astronomy*.

Omitted in 1902-3.]

**C 9** *Machine Designing*. 4 hrs.  
Professor C. B. RICHARDS.

Course C 9 is a continuation of the work in course B 5 and is open only to a limited number of those who have taken that course.

## THE PHYSICAL SCIENCES

## XIV. PHYSICS

**A 1** *Elementary Physics.* 3 hrs.

Professor DANA and Assistant Professor KREIDER.

A general course, taking up, after a brief review of Mechanics, the properties of Liquids and Gases, and then the subjects of Heat, Magnetism, Electricity, Sound and Light. Experimental illustrations will be freely introduced. Ganot's *Physics* (16th edition) will be used as a text-book.

This course is intended primarily for Sophomores but is open also to Juniors and Seniors. It must be taken by all who desire to go on later with the courses in Laboratory Physics (B 1, C 1).

[**A 2** *Elementary Physics*, cont'd [after or with A 1]. 1 hr.

Professor DANA and Assistant Professor KREIDER.

An elementary treatment of the subjects of Sound and Light, with an introduction on the principles of wave-motion; experimental illustrations freely introduced.

Open to those who have not already covered this part of Physics earlier in their College course.

Omitted in 1902-1903.]

**\*B 1** *Physics* [after A 1]. 4 hrs., to count as 2 hrs.

Professor A. W. WRIGHT.

Two exercises each week, chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

The successful prosecution of this course requires practical facility in the application of the Physics and Mathematics of the previous years, the lack of which may be made a reason for exclusion from the course.

\*C 1 *Physics* [after B 1]. 3 hrs., to count as 2 hrs.

Professor A. W. WRIGHT.

A more advanced course of laboratory work in Physics, in continuation of course B 1, and open only to those who have already pursued that course, or an equivalent.

This course will consist of one laboratory exercise of two hours each week on Wednesdays, and one exercise of one hour each week on Thursdays. The latter will be in the nature of a recitation, discussion, or conference, with the use of some text-books, and will involve the theoretical study of special points of Physics in detail.

The course includes practical problems in physical experimentation of more elaborate character, and worked out with greater detail. Those students who make sufficient advance will be encouraged to undertake original investigations, in which they will receive necessary assistance and guidance, and will have free use of the resources of the Sloane Physical Laboratory.

For course in Mathematical Physics see Mathematics C 5.

## XV. CHEMISTRY

### SUGGESTIONS AS TO CHOICE

For those who desire merely to gain a general idea of the facts and methods of chemistry :

In Sophomore, Junior or Senior year : Inorganic Chemistry (A 1).

For those who intend to study mineralogy or geology :

In Sophomore year : Inorganic Chemistry (A 1).

To which may be added—

In Junior year : Qualitative Analysis (B 1).

In Senior year : Quantitative Analysis (C 1).

For those who intend to study medicine, and those who are to take the course in biology :

In Sophomore year : Inorganic Chemistry (A 1).

To which should be added—

In Junior year : Organic Chemistry (B 2).

In Junior or Senior year : Qualitative Analysis (B 1).

For those who intend to study applied chemistry or to enter the technical schools with advanced standing, or who for any reason may desire extended training in chemistry :

In Sophomore year : Inorganic Chemistry (A 1).

In Junior year : Qualitative Analysis (B 1).

Organic Chemistry (B 2).

In Senior year : Quantitative Analysis (C 1).

Chemical Theory (C 2).

To which may be added—

The Rare Elements (C 3).

Inorganic Preparations (C 4).

The Carbon Compounds (C 5).

For the laboratory courses a fixed charge is made (to cover the expenditure for chemicals, gas, water, etc.), in addition to the cost of apparatus broken or not returned in serviceable condition. For each of the courses A 1, B 1, B 2, C 1, the fixed charge is \$20.00 ; for courses C 3 and C 4 the fixed charge is \$10.00 each ; for the lecture courses C 2 and C 5 no charge is made. The charge for breakage should not exceed in the average \$5.00 for each laboratory course.

**A 1** *Inorganic Chemistry, Experimental and Descriptive.*

6 hrs., to count as 3 hrs.

Professor GOOCH, Assistant Professor BROWNING and Dr.  
I. K. PHELPS.

Lectures, laboratory work and class-room exercises. An introduction to elementary chemical theory, the use of symbols and equations, and the study of the elements and their compounds. While elementary and fundamental in character, this course is probably sufficient for the needs of those who desire merely a very general knowledge of the facts and methods of chemistry. It is a prerequisite to the other courses in Chemistry, and to the course in Biology.

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**B 1** *Qualitative Analysis [after A 1].* 5 hrs., to count as 3 hrs.

Assistant Professor BROWNING.

Laboratory practice in the ordinary processes of qualitative analysis, with lectures. This course is of importance to those

who intend to study medicine, engineering, or the technical professions in general, or who desire to teach elementary science.

**B 2** *Organic Chemistry* [after A 1]. 5 hrs., to count as 3 hrs.

Professor GOOCH and Dr. I. K. PHELPS.

An introduction to the study of the compounds of carbon. Lectures, written exercises, and laboratory work. This course is a desirable adjunct to course A 1 for those who purpose to take the course in biology, or to become students of medicine or of applied chemistry, or who have a special interest in chemistry.

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**C 1** *Quantitative Analysis* [with or after B 1].

6 hrs., to count as 3 hrs.

Professor GOOCH.

Laboratory practice in the use of the simpler methods of gravimetric and volumetric quantitative analysis. This course is intended chiefly for those who wish to study exact methods of manipulation and treatment with a view to the application of analysis to scientific or practical ends. It is open to those who, having completed course A 1, have either taken course B 1 previously or propose to take it at the same time.

**\*C 2** *Chemical Theory*.

1 hr.

Professor GOOCH.

Open by permission to undergraduates who specialize in chemistry. This course is devoted to the study and discussion of the general principles and theories of chemistry. There is no laboratory work, and therefore no fee is charged.

**\*C 3** *The Rare Elements*.

3 hrs., to count as 2 hrs.

Assistant Professor BROWNING.

Open by permission to undergraduates who specialize in chemistry. Lectures with laboratory work covering the principal reactions of the elements not included in the general course. The methods in use for the qualitative determinations of these elements are carefully studied, and a systematic arrangement developed so far as practicable.

- \*C 4** *Inorganic Preparations.* 2 hrs., to count as 1 hr.

Assistant Professor BROWNING.

Open by permission to undergraduates who specialize in chemistry. A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

- \*C 5** *The Carbon Compounds—Descriptive and Theoretical.* 3 hrs.

Dr. I. K. PHELPS.

Open by permission to undergraduates who have completed course B 2. A course of lectures treating systematically the more important compounds of carbon and the theories concerning them.

## THE NATURAL SCIENCES

### XVI. GEOLOGY

- A 1** *Physical Geography.* 2 hrs. 1st half-year.

Mr. C. A. FISHER.

A course of lectures supplemented by text-books and illustrated by maps and lantern views. The topics treated are the earth as a globe, the ocean, the physical features of the lands, and the distribution and commercial value of natural products. The relation of man to these physiographic factors will be kept in view.

- A 2** *Meteorology.* 2 hrs. 2d half-year.

Mr. TARR.

Lectures, recitations, and laboratory work. A study will be made of winds, rainfall and the other atmospheric factors which produce climate. The laboratory work will be conducted at the office of the United States Weather Bureau and will include the study of instruments, the making of weather maps, and methods of forecasting the weather.

Courses A 1 and A 2 are designed to supplement each other. Either may be taken without the other, in which case it will count as a 1-hour course for the year.

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**B 1** *General Geology.*

2 hrs.

Assistant Professor GREGORY.

A course of lectures on the general principles of the science of geology. Such topics will be discussed as will give an understanding of the structural features of the earth and of the forces by which its present condition has been attained. The lectures will be supplemented by the use of a text-book and illustrated by specimens and lantern views. Optional excursions to points of geologic interest will be arranged.

**\*B 2** *Geology, with field and laboratory work.*

3 hrs.

Assist. Prof. GREGORY, Prof. WILLIAMS, and Mr. ROBINSON.

This course will include the exercises of course B 1, General Geology, and in addition field and laboratory work will be assigned to average 2 hours per week. The laboratory work will consist of the study of important minerals, rocks, and fossils; the field work will include geologic mapping and excursions. [Students who take this course must leave Monday or Tuesday afternoon free from 2.00-5.00.]

**\*B 3** *Mineralogy and Crystallography.* 2 hrs., to count as 1 hr.

Professor DANA and Mr. C. A. FISHER.

Practical study of mineral species by means of blowpipe analysis and other methods; also, mathematical study of the forms of crystals. Particular attention will be given to important ores and to rock-making minerals. [Open to students who have studied or are taking Chemistry.]

**\*B 4** *Mineralogy.*

4 hrs., to count as 2 hrs.

Professor DANA and Mr. C. A. FISHER.

Includes the exercises of B 3, and in addition laboratory work will be assigned to average 2 hours per week.

**B 5** *Evolution.*

2 hrs.

Professor H. S. WILLIAMS.

An elementary lecture course on evolution, supplemented by text-book use of Darwin's *Origin of Species*, upon which examinations will be held.

The course is offered as a B course for all Juniors or Seniors who have already taken any A course in science or philosophy, and as a C course for those who have taken Geology B 2.

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- C 1 *Historical Geology* [after B 2]. [Seniors.] 4 hrs.,  
to count as 2 hrs.

Professor H. S. WILLIAMS.

Special study of geological formations and faunas, and of the principles of classification and correlation. The work will chiefly consist of the laboratory study of collections, reading of geological literature and preparation of scientific papers. Open only to those who have taken course B 2 and have studied Zoology.

- C 5 *Physiography* [after B 1 or B 2]. 2 hrs.

Assistant Professor GREGORY.

A study of the origin, development and classification of land forms followed by a study of the physiography of the United States. The exercises will include lectures, field excursions, the reading of topographic maps and of geologic literature.

- \*C 6 *Physiography*. 3 hrs.

Assistant Professor GREGORY.

This course will include the exercises of course C 5 Physiography, and in addition a field problem will be assigned which must be satisfactorily completed, and a written report made upon it.

## XVII. BIOLOGY, INCLUDING ANATOMY AND HISTOLOGY

The following courses, B 1 and C 1, together with course Chemistry A 1, constitute a connected and continuous line of study extending through the Junior and Senior years, arranged especially for such students as intend to enter later upon the study of medicine. Courses C 2, C 3 are also intended primarily for students having the same object.

All students expecting to take the courses in Biology are advised to pursue, likewise, courses in organic chemistry, qualitative analysis, and laboratory physics. They should also have a reading knowledge of German and



French. The successful accomplishment of such a course of connected studies as is here suggested will secure admission to all medical schools of the highest standing, and in some instances will lead to exemption from corresponding subjects in the medical school curriculum.

**B 1** *Physiology* [with or after Chemistry A 1].

[Juniors.] 1 hr.

Professor CHITTENDEN.

Huxley's *Lessons in Elementary Physiology*, with occasional lectures and illustrative experiments. This course is limited to those who take course Chemistry A 1, and is designed as a preparation for course C 1 of Senior year, *and is open only to those intending to take this course.*

**B 2** *Human Anatomy.*

[Seniors.] 2 hrs.

Professor FERRIS.

A general course in Human Anatomy adapted to the demands of students in biology. The subject is approached from the standpoint of embryology and comparative morphology.

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**C 1** *Elementary Anatomy, General Biology, and Physiological Chemistry.*

[Seniors.] 4 hrs.

This course is open only to those who have taken courses Chemistry A 1 and Physiology B 1 in Junior year.

First term : *Elementary Anatomy and General Biology.*

Professor S. I. SMITH.

Four exercises a week, of a minimum of two hours each. Laboratory work and informal lectures. The time is devoted principally to dissections of the frog, and work with the microscope on the lower plants and animals and vertebrate histology, with special reference to the rudiments of biology and the elements of the morphology of animal tissues. The student is required to make microscopical preparations, keep careful records of his work, and pass frequent examinations.

Second term : *Physiological Chemistry*.

Professor CHITTENDEN.

Four exercises a week, of a minimum of two hours each, in the laboratory of physiological chemistry. The time is devoted mainly to a study of the chemistry of the connective, contractile, and nervous tissues, of the chemical processes of salivary, gastric, and pancreatic digestions, and of other subjects connected with the physiology of nutrition and the chemistry of the excretions.

A course of lectures by Professor Chittenden on Experimental Toxicology (Tuesday, Thursday, and Saturday, 8.15 A. M.) is also open to students in the above course.

A laboratory fee is charged for course C 1. The student in addition must bear the expense of gas, flasks, etc., which should not exceed ten dollars.

C 2 *Human Anatomy*.

[Seniors.] 3 hrs.

Professor FERRIS.

This is a course in human anatomy covering the portions pertaining to osteology, myology and syndesmology. The instruction is given by recitations, lectures and demonstrations, combined with systematic work in the anatomical laboratory.

A spécial fee of ten dollars is charged for this course, and there are laboratory expenses of five or ten dollars.

C 3 *Human Histology and Embryology*.

[Seniors.] 3 hrs.

Professor FERRIS.

This is a laboratory course combined with recitations and lectures. It includes a study of the construction and optics of the microscope, microscopical technique, and the imbedding, and sectioning, and staining of tissues. A careful study is made of the histology of the elementary tissues and most of the organs of the human body.

The portion devoted to embryology includes a study of the early development of the chick, and of selected organs from the human subject.

A fee of three dollars for the use of microscopes is charged in this course.

For a course in the *Statistical Theory of Evolution* see the *Social Sciences*, course C 24.

## XVIII. BOTANY AND FORESTRY

**A 1** *Botany.* 4 hrs., to count as 2 hrs.

Assistant Professor EVANS.

An elementary course in the botany of flowering plants. Laboratory work and informal lectures. The plant and its various organs are studied with respect to their form, structure, and functions, and special emphasis is laid on the relationships of a plant to its environment.

**A 2** *Introduction to Forestry.* 3 hrs. 1st half-year.

Mr. AKERMAN.

This course is designed to give a comprehensive view of forestry with special reference to its economic aspects. It considers the purpose and scope of forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and forestry, the need for forestry and its practice in the United States.

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**B 1** *General Morphology of Plants.* [Seniors.] 4 hrs.,  
to count as 2 hrs.

Assistant Professor EVANS.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life are studied and compared. The course is limited to those who can show a satisfactory knowledge of the botany of flowering plants.

### (3) PHILOSOPHY, HISTORY AND THE SOCIAL SCIENCES

#### XIX. PHILOSOPHY

Courses in this department are offered in Psychology, Logic and the Principles of Science, Ethics, Aesthetics, Introduction to Philosophy, History of Philosophy, Metaphysics, Epistemology, Philosophy of Religion, Pedagogics, and Philosophical Criticism. The courses are as follows :

A.	B.	C.
1 Outlines of Ment. Sci., [Soph. Course 10], 3 hrs.	1 Introd. to Philosophy, 2 hrs.	1 Philosophical System, 2 hrs.
2 Outlines of Philos., [Soph. Course 11], 3 hrs.	2 Hist. of Philos. (Mod.), 2 hrs.	2 Psychological Theory, 2 hrs.
3 Elements of Ethics, 1 hr.	3 Types of Philosophy, 2 hrs.	3 Theism and Apologet., 1 hr.
4 Elements of Des. Psy., 2 hrs.	4 A Study of Religion, 2 hrs.	4 Kant Seminary, 2 hrs.
5 Elements of Exp. Psy., 2 hrs.	5 Comparative Religion, 1 hr.	5 Modern Philosophy, 3 hrs.
6 Logic and Epistemol., 2 hrs.	6 Psych. (Adv. Lab.), 2 hrs.	6 Philos. of Evolution, 2 hrs.
7 Hist. of Philos. (Anc.), 2 hrs.	7 Exper. Phonetics, 2 hrs.	7 Systematic Ethics, 2 hrs.
8 Mod. Polit. Philos., 1 hr.	8 Aesthetics, 1 hr.	8 Pysch. (Research), 2 hrs.
9 Psychol. (Elem. Lab.), 2 hrs.	9 Scientific Method, 1 hr.	9 Genetic Psychology, 1 hr.
10 Plato's Dialogues, 2 hrs.	10 Systematic Pedagogy, 1 hr.	10 Philosophy of Lotze, 2 hrs.
	11 Exper. Pedagogy, 1 hr.	11 Metaphys. of Nature, 2 hrs.
	12 Philosophical French, 2 hrs.	12 Philosoph. German, 2 hrs.

The primary aim of courses B 1, B 2, B 3, is to introduce the student in an elementary, yet systematic, way to the problems and conceptions of Philosophy. One or more of these courses may properly be taken by all who desire any acquaintance with Philosophy as a means of culture. An elementary course in psychology and ethics, such as course A 1 (Soph. course 10), is a necessary introduction to the study of the problems of Philosophy.

Those who wish to specialize in Philosophy, whether or not intending to work for Honors, are recommended to take at least: in Sophomore year, courses A 1 and A 2; in Junior year, course A 9 and two of the three courses B 1, B 2, B 3; in Senior year, an additional A or B course and two C courses. Students of mathematics, the natural sciences, and law are recommended to take courses A 6 and B 9. All expecting to become teachers are advised to take courses B 10, B 11, and C 2.

**A 1 *Mental and Moral Science.* [Sophomores.] 3 hrs.**

This course cannot be taken later than Sophomore year.

**(a) *Outlines of Psychology.* 2 hrs.**

Dr. JUDD.

An elementary course in psychology (Knowing, Feeling, Willing), with illustrative experiments; and including a brief treatment of scientific method. Text-book and lectures.

**(b) *Outlines of Ethics.* 1 hr.**

Professor SNEATH.

An elementary study of the moral nature of man, and of the moral ideal and its application to the life of the individual and to society. Text-book and lectures.

**A 2 *Outlines of Philosophy* [with A 1].**

[Sophomores.] 3 hrs.

Professor DUNCAN and Dr. HESS.

This course, in connection with an outline study of the history of philosophy from its origin among the Greeks down to the opening of the Modern Period (17th century), will aim to introduce the student in a simple way to the principal questions and conceptions of philosophy. A few short specimens of philosophical literature of the periods to be studied (such as Plato's *Republic*, bk. VI; Aristotle's *Nicomachean Ethics*, bk. X; Cicero's *De Natura Deorum*, bk. II; Anselm's *Proslogium*; and Descartes' *Discourse on Method*) will be read in English for the sake of their contents and in order to familiarize the student with such literature. Text-book and lectures.

**A 3 *Elements of Ethics* [with A 4 or A 5]. 1 hr.**

Professor LADD.

A course of expository lectures, with required readings and recitations, on the elements of ethics, theoretical and applied. The lectures will treat especially the nature of man as fitted for conduct, the classification and nature of the virtues, the development of opinion on moral questions, and the history of the formation of moral ideals. Paulsen's *A System of Ethics* will be used as required reading.

- A 4 *Elements of Psychology* [with A 3]. 2 hrs.  
Drs. JUDD and CHURCHILL.

A course of systematic instruction in the elements of general psychology. Text-book and lectures. Text-book: Ladd's *Outlines of Descriptive Psychology*.

- A 5 *Elements of Experimental Psychology* [with A 3]. 2 hrs.  
Assistant Professor SCRIPTURE.

A course of systematic instruction in physiological and experimental psychology. Text-books and illustrated lectures. Text-books: Ladd's *Outlines of Physiological Psychology*; Scripture's *The New Psychology*.

- A 6 *Elements of Logic and Epistemology*. 2 hrs.  
Professor DUNCAN and Dr. CHURCHILL.

A course of systematic instruction in the elements of logic, deductive and inductive, with especial attention to the nature of reasoning, the conditions of proof, and the principles of science; together with a brief course in epistemology, dealing with the nature, origin, validity, and extent of knowledge, and including an examination of 'phenomenalism,' 'the relativity of knowledge,' and other current forms of agnosticism. Text-books and lectures. Text-books: Jevons' *Elements of Logic* (Hill's ed.), and Fowler's *Elements of Inductive Logic*.

- A 7 *History of Philosophy (Ancient)* [after A 1, or with A 3  
and A 4 (or A 5)]. 2 hrs.  
Professor DUNCAN.

A study of the history of philosophy from its origin among the Greeks down to the opening of the Modern Period, with cursory reading of selected specimens of the philosophical literature of the periods studied. Especial attention will be given to Plato and Aristotle and the post-Aristotelian schools.

- A 8 *Modern Political Philosophy*. 1 hr.  
Professor SNEATH.

A study of the development of reflective thought in modern philosophy on the questions of the origin, nature, functions, forms, and ends of civil government. The work of the course consists of a series of lectures, with collateral readings, on the following authors: Hobbes, Spinoza, Locke, Rousseau, Bentham, Mill, Hegel, etc.; together with written recitations on a text-book.

- A 9 *Psychology (Elementary Laboratory Course)* [with or  
after A 5]. 3 hrs., to count as 2 hrs.

Assistant Professor SCRIPTURE.

A series of elementary exercises performed by the student in connection with the chief topics of course A 5. The exercises will include experiments on attention, practice, fatigue, emotion, memory, volition, rhythm, time of thought, hearing, color-vision, etc.

- A 10 *Plato's Dialogues.* 2 hrs.

Dr. CHURCHILL.

Nearly all the well-authenticated Dialogues of Plato will be read in English (Jowett's translation), with a view to examining Plato's philosophical opinions, illustrating as they do the permanent and most interesting problems of philosophy.

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- B 1 *Introduction to Philosophy* [after A 1, or A 3 and A 4  
(or A 5)]. 2 hrs.

Professor LADD.

This course of lectures is designed to present, in an elementary and summary way, the principal philosophical problems. It may properly be taken by all who desire any acquaintance with philosophy as a means of culture. It is also recommended to those who seek for a general introduction to the more special or advanced study of philosophy. The order of topics followed will be based upon some book giving a general treatment of the subject, supplemented by other reading.

During the latter half of the course special emphasis will be laid upon the philosophy of life and of conduct, in connection with the discussion of problems in Ethics, Aesthetics, and the Philosophy of Religion.

- B 2 *History of Philosophy (Modern)* [after A 1, or A 3 and  
A 4 (or A 5)]. 2 hrs.

Professor DUNCAN.

A study of philosophical thought from Descartes to the present time, with cursory reading of philosophical masterpieces from Descartes to Kant. This course (which is largely a lecture

course, with written exercises and occasional examinations), while intended primarily for general culture, also aims to be an introduction to the more special study of philosophy in its various branches and problems. Külpe's simple *Introduction to Philosophy* will be read in connection with it.

- B 3 *Types of Philosophy* [after A 1, or A 3 and A 4 (or A 5)]. 2 hrs.

Professor SNEATH.

A study of the problems of philosophy from the standpoint of the leading types or "schools" of philosophy,—such as Dualism, Materialism, Idealism, Realism, etc. A representative writer of each school will be read. The course is designed to be both a means of general culture and an introduction to special philosophical interpretation and criticism.

- B 4 *A Study of Religion* [after A 1, or with or after A 4 or A 5]. 2 hrs.

Professor LADD.

In a course of lectures the following topics will be discussed: the nature, origin, and development of religion, and the special claims of Christianity; the grounds of man's belief in God, the arguments for the Theistic conception, and the rival conceptions of Positivism, Deism, and Pantheism; the relation of God to the World, revelation, inspiration, and miracle; the religious life of the individual, faith, prayer, and worship; the immortality of the soul, and the ultimate goal of man's religious progress. This course is designed for all who wish to study, in an elementary way, the principal problems which concern the religious nature and development of man.

- B 5 *Comparative Religion*. 1 hr. 1st term.

Professor HOPKINS.

A course of weekly lectures in the first term. These lectures take up the study of religion from the comparative point of view, treating of the underlying principles of religion as shown in the religious phenomena of different nations and races, from lower to higher forms of religious expression.

- B 6 *Psychology (Advanced Laboratory Course)* [with or after A 9.] 3 hrs., to count as 2 hrs.



**Assistant Professor SCRIPTURE and Dr. McALLISTER.**

A series of exercises in experimental psychology, to be performed by the student, affording a practical training in laboratory manipulation. Text-book: Scripture's *Elementary Course in Psychological Measurements*.

**B 7 *Experimental Phonetics*.**

1 hr. [or 2 hrs.]

**Assistant Professor SCRIPTURE.**

Lectures, laboratory exercises and readings on the application of experimental methods to the study of language, song, rhythm and verse, including a careful study of the action of the vocal organs in producing English, German and French sounds, and of the acoustic nature of these sounds as determined by recent investigations. This course is especially recommended to students of language and music. Text-book: Scripture's *The Elements of Experimental Phonetics*. [An extra hour of practical exercises in the use of phonetic apparatus and methods is offered to those taking this course; in this case the course counts as a two-hour course.]

**B 8 *Aesthetics* [after A 1, or with or after A 4 or A 5].**

1 hr.

**Dr. DAVIES.**

The object of this course is to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system. Bosanquet's *History of Aesthetics*, Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, will be read in connection with the course.

**B 9 *Scientific Method*.**

1 hr.

**Dr. JUDD.**

A course in the methods of the sciences with especial reference to the assumptions and criteria of inductive reasoning.

**B 10 *Systematic Pedagogy* [after A 1, A 4 or A 5].**

1 hr.

**Dr. ROWE.**

This course will give a general survey of the field of education. The relation of Pedagogy to allied subjects, and the fundamental aims, principles and methods of education in organization, dis-

cipline and instruction will be discussed. The course thus consists of two parts: (1) *educational foundations*, and (2) the *methodology of education*. [The work for the year 1902-1903 will include only the second part.] These subjects will be considered in both their theoretical and practical aspects. Pains will be taken to acquaint the student with the most helpful books in the wide range of educational literature. Papers and collateral reading will be required.

The course is intended both for those who wish some acquaintance with this department of knowledge and for those who intend to teach.

**B 11** *Experimental Pedagogy* [after A 1, A 4, or A 5]. 1 hr.  
Dr. McALLISTER.

A summary of the results of experimental methods as applied to educational subjects. The topics treated will include: training of the senses, observation, memory, quickness of perception and thought, writing, drawing, fatigue, and study of children.

**B 12** *French Philosophy in French* [after A 1, A 4, or A 5].  
[Seniors.] 2 hrs.  
Dr. MONTGOMERY.

Discussions of the French schools of philosophy in the nineteenth century. The class will read in French some of the essays in Caro's *Philosophes et Philosophie*, and then take up the reading of current discussions in some recent French philosophical magazine.

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**\*C 1** *Philosophical System* [with or after B 2, or B 3].  
3 hrs.  
Professor LADD and Dr. HESS.

Two hours of exercises and lectures in this course are coincident with those of B 1. Those taking it will be assigned, in connection with the third hour, an increased amount of collateral reading, and will be required to prepare papers of a constructive character, on assigned topics.

- \*C 2 *Psychological Theory* [with or after B 1, B 2, or B 3].  
2 hrs.

Professor LADD.

The principal topics of psychology will be discussed with a view to the formation of an intelligent and comprehensive theory of the Mind's nature and development. Among these topics especial attention will be given to the following: the nature and method of psychology; the doctrine of faculties; the primary laws of attention, association, memory, and reasoning; the constitution of the Mind and the laws of its evolution; the relations of body and mind; and, finally, the problems offered by the reality, unity, and self-identity of conscious mental life and the conception of personality arising therefrom. The exercises will consist, in general, of a lecture to be followed by papers and discussion by the class.

- C 3 *Theism and Apologetics*. 1 hr.

Professor STEVENS.

A study of the philosophical principles which underlie the defense of theism, and of their application in Christian theology.

Open only to those who take Professor Bacon's courses in *Christological Epistles* and *New Testament Encyclopædia*, p. 93.

- [\*C 4 *Kant Seminary* [with or after B 1, B 2 or B 3]. 2 hrs.  
Professor DUNCAN.

A thorough study of Kant's *Critique of Pure Reason* and *Prolegomena to Any Future Metaphysic*.

Omitted in 1902-1903.]

- \*C 5 *Modern Philosophy* [with or after B 1 or B 3]. 3 hrs.  
Professor DUNCAN.

A study of the systems of speculative thought from Descartes to the present time, with cursory reading of philosophical masterpieces from Descartes to Kant: Descartes' *Meditations and Principles of Philosophy*, pt. I; Bacon's *Novum Organum*; Spinoza's *Ethics*—selections; Locke's *Essay on Human Understanding*—selections; Leibnitz's *Monadology and Philosophical Opuscles*; Berkeley's *Principles of Human Knowledge*; Hume's *Inquiry concerning Human Understanding*; Reid's *Inquiry into the Human Mind*; Kant's *Prolegomena to Any Future Metaphysic*. Two hours of this course are coincident with course

B 2, and consist of expository and critical lectures, with frequent written exercises on the texts read and occasional examinations on both the lectures and texts. The third hour is devoted to *seminary work*: the presentation and discussion of papers by the students, and the informal consideration of important problems.

**\*C 6** *Philosophy of Evolution* [with or after B 1, B 2 or B 3]. 2 hrs.

Professor DUNCAN.

This course is a study of the Evolution Theory of Spencer in its psychological, ethical, and metaphysical aspects. Spencer's *First Principles*, *Principles of Psychology* (selections), and *Data of Ethics* are read and discussed.

**\*C 7** *Systematic Ethics* [with or after B 1, B 2, or B 3]. 2 hrs.

Professor SNEATH.

A study of the main problems of the philosophy of conduct: the nature of the moral self; the freedom of the will; the nature and grounds of moral relations, etc. Portions of the following works will be studied: Sidgwick's *Methods of Ethics*; Mill's *Utilitarianism*; Martineau's *Idiopsychological Ethics*; Paulsen's *A System of Ethics*; and Ladd's *Philosophy of Conduct*.

**\*C 8** *Research in Experimental Psychology and Phonetics* [after A 5 and A 9, or after B 7]. 2 hrs.

Assistant Professor SCRIPTURE.

Specially qualified students who have taken or are taking course B 6 will be permitted to take part in original investigations in experimental psychology. Students who have taken course B 7 may conduct original investigations in experimental phonetics. The student's work must be a distinct contribution to science and must be prepared for publication in the *Studies from the Yale Psychological Laboratory*.

**C 9** *Genetic Psychology* [after A 1, A 4, or A 5]. 1 hr.

Dr. JUDD.

A course of lectures on the methods and results of psychological study of animals, primitive races, and children. The aim of this comparative study is the discovery of general principles of mental development.

- \*C 10 *The Philosophy of Lotze* [with or after B 1, B 2 or B 3]. 2 hrs.

Dr. HESS.

An exposition and criticism of the philosophy of Lotze as contained in his *Microcosmus*, which deals with such philosophical problems as the relation of philosophy, science, and religion ; the different views of nature, especially the mechanical and teleological explanations ; the conception of 'law' in nature, and evolution ; the existence and the immortality of the soul ; man as a moral and as a religious being ; the existence and nature of God and the relation of God to the world ; the problem of evil ; etc.

- \*C 11 *Metaphysics of Nature* [with or after B 1, B 2 or B 3]. 2 hrs.

Dr. CHURCHILL.

In this course the general relations of philosophy to the physical and natural sciences will be considered ; and the history of the development of the principal conceptions of these sciences will be briefly traced. An attempt will also be made to estimate critically the meaning and value of these same conceptions from the standpoint of philosophy. Especial attention will be given to the discussions of Karl Pearson and Ostwald, and toward the end of the course, to the bearing of the modern doctrine of Evolution upon philosophical tenets and upon the growth of philosophical system. The method of instruction will combine lectures by the instructor with papers and discussion by the class.

- C 12 *German Philosophy in German* [after A 1, A 4, or A 5].  
[Seniors.] 2 hrs.

Dr. MONTGOMERY.

An exposition of recent trends of philosophical thought in Germany. The class will read in German Schopenhauer's *Die Welt als Wille und Vorstellung*, bks. 1, 2, 4, and then take up the reading of current discussions in some German magazine.

## XX. HISTORY

A 1 *European History.* 3 hrs.

Assistant Professor DAY and Mr. FORD.

This course is introductory to the courses in history offered in the Junior and Senior years. A general survey of the political, economic, and social development of England and the Continental peoples from the fourth to the eighteenth centuries.

Informal lectures with quizzes and written tests on the textbooks and a selected list of contemporary documents.

(The following courses, except B 1 and B 2, will presuppose such a general knowledge of European history as would be acquired by successfully completing course A 1. Students who have not passed course A 1 must secure the permission of the instructor to take courses of B grade. Students who expect to do their work of C grade in history must take course A 1 in Sophomore year.)

B 1 *Ancient Oriental Nations from the earliest times.* 2 hrs.

Assistant Professor F. W. WILLIAMS.

A comprehensive survey of the beginnings of civilization, and its development in the principal nations of antiquity, including Babylonia, Assyria, Egypt, Phoenicia, and Media. This course illustrates the connection of Biblical and profane history, discusses the origins of political and social institutions, religions, the arts and sciences, and the Asiatic sources of European civilization, and constitutes an introduction to the study of history.

B 2 *Outline Survey of Ancient History.* 1 hr.

Professor PERRIN.

Lectures, based on manual-study, outlining and emphasizing such general features of ancient history as are most valuable for the intelligent prosecution of medieval history. Oriental history is presented only as background and source for Greek and Roman history.

The main object of the course is to make clear the continuous process in the evolution of the civilization which culminated in the Roman Empire, and to assign to their proper places in this process the great writers of Greece and Rome.

**B 3** *Outline Survey of Ancient History.* 2 hrs.

Professor PERRIN.

The same as B 2 except that Private Readings will be assigned, and special examinations will be held on these readings.

**[B 5** *Medieval History, first half.* 2 hrs.

Professor G. B. ADAMS.

From the beginning of the fourth to the tenth century. The subjects most fully discussed will be the fall of Rome; the spread of Christianity; the foundation and organization of the new German states; the beginning and growth of the papal power; the formation of the Frankish state; the rise and conquests of Mohammedanism; the empire and reforms of Charlemagne; and the separation of his empire into the modern states.

The development of civilization will be kept constantly in view throughout, and such institutions of both church and state as exerted an influence upon later times will receive especial attention.

Omitted in 1902-1903.]

**B 6** *Medieval History, second half.* 2 hrs.

Professor G. B. ADAMS.

From the beginning of the tenth to the middle of the fifteenth century. The earliest organization of the modern states; feudalism and feudal society, considered institutionally and economically; the Holy Roman Empire and the monarchical papacy; the crusades and their results; the growth of commerce, and the rise of the third estate to political influence; the intellectual renaissance of the thirteenth century, with the beginning of universities and the revival of Roman law; the rise of England and France with contrasted constitutions, the conflict between them, and the decline of Germany; and the beginning of modern diplomacy.

(This course alternates with course B 5.)

**B 7** *Medieval Asia and the Mohammedan Conquest.* 2 hrs.

Assistant Professor F. W. WILLIAMS.

An attempt to supplement the history of Medieval Europe by following the events in Western Asia during the period between Alexander's death and the capture of Constantinople, 1453. The course exhibits the gradual effacement of Hellenic influences in Asia, the continual contest between Rome and the East, and the secular antagonism between Oriental and Occidental civilization. It takes up in succession the Parthian and Sassanid Empires, follows the rise of Islam and its extension under the Saracens and Turks, and shows the influences of Asiatic culture upon modern Europe.

**B 10** *History of Northern Europe from the Reformation to the death of Frederic the Great.* 2 hrs.

Assistant Professor RICHARDSON.

During the first half of the course the center of interest will be found in the religious and political rivalries of the era of the Reformation ; in the latter half in the History of Brandenburg-Prussia from the time of its rapid economic, political, and military development under the Great Elector and Frederic William I. to its acquisition of world-power under Frederic the Great in contest with Austria and France.

Considerable attention will be given to the history of the Prussian constitution and to topics of economic interest, such as the decline of the Hanseatic League, the economic results of the Thirty Years' War, and the development of the resources of Brandenburg-Prussia by its greatest rulers.

Lectures and collateral reading.

[This course alternates with B 11.]

[**B 11** *History of France from the Reformation to the French Revolution.* 2 hrs.]

Assistant Professor RICHARDSON.

This course will deal not only with the internal history of France, but also with its relations to the larger problems of modern European history—the progress of the Reformation and the counter-Reformation, the formation and development of the modern European state-system, colonial expansion, the great



wars and treaties of the modern epoch, the growth of political and economic science, and the political and intellectual movements preparatory to the Revolutionary epoch.

Lectures and collateral reading.

Omitted in 1902-1903.]

**B 13 *Modern Asiatic History.* 2 hrs.**

**Assistant Professor F. W. WILLIAMS.**

A course embracing successively the regions of India, Japan, China, and Central Asia, with particular regard to their history since the seventeenth century, their governments, and their relations with European powers. The culture, faiths, and sociology of existing nations in the Far East are here considered with a view of interesting those whose historical knowledge is confined to the Western world. The course is designed to stimulate further reading by students in special topics suggested by the instructor, upon which written essays will be presented and discussed. It also offers an opportunity for those contemplating missionary careers to acquaint themselves with the political and social condition of the more important foreign missionary fields.

**B 15 *American History [1492-1763].* 2 hrs.**

**Professor BOURNE.**

This course will deal with the history of the American Colonies from the beginning of the discoveries until the beginning of the American Revolution. The nature and objects of colonies, the character and aims of the colonists, the political, economic and social development of the colonial communities, will be the leading topics. The course will include a survey of the French and Spanish colonial establishments in America. Lectures, required reading and the study of selected documents.

**B 16 *American History [1765-1860].* 2 hrs.**

**Professor BOURNE.**

A general course in the political History of the United States from the beginning of the Revolution to the Civil War. The causes and process of the Revolution, the formation of the Union, the rise and growth of parties, the development of democracy, the influence of the westward expansion and of slavery on political life, and the origin and significance of the more important economic questions will be discussed. Lectures and required reading.

Each student will prepare one bibliography and two essays.

B 17 *American History (Constitutional)*. [Juniors.] 2 hrs.  
Professor C. H. SMITH.

An historical study of the Federal Constitution, mainly of the articles relating to the general government in its three departments, legislative, executive, and judicial—with an outline study of the State Constitutions. This course can be taken with advantage either as an introduction to the Law courses in Senior year, or as a first course to be followed by the Constitutional courses of Senior year.

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#### C COURSES.

(*Note.* These courses may be elected under the same conditions as the B courses. If, however, they are taken as C courses to fulfill the requirement of the curriculum for graduation, they must respectively be preceded by course A 1 or its equivalent and by one B course in an immediately connected field, i. e., the courses in English or European history by a B course in English or European history, the courses in American history by a B course in American history, and the course in European Colonies by course B 13 in Modern Asiatic history.)

The work of grade C that is offered in accordance with these requirements must aggregate at least two hours through the year.)

C 1 *The Renaissance and Reformation*. 1 hr.  
Assistant Professor RICHARDSON.

In this course the Renaissance and Reformation will be treated primarily as intellectual movements and considered in their relations to the intellectual development of Europe; political history will be noticed in so far only as is essential. Students will be required to do much work in the library.

The course differs radically in character from courses B 10 and B 11 and does not cover the same ground.

C 2 *History of Europe since 1789*. [Seniors.] 2 hrs.  
Professor WHEELER.

Mainly political; introductory to European politics of our day.

**C 3 *English History.* [Seniors.] 3 hrs.**

Professors ADAMS (first half-year) and

RICHARDSON (second half-year).

Political and constitutional. Particular attention will be given to the development of political and judicial institutions, and in the second half to the colonial expansion of England. The more important constitutional documents will be discussed in detail as well as such other contemporary sources as are accessible. While this course is of special value to those who intend to study law, the interest of the general student will also be kept in view.

**C 4. *European Colonies in Asia and Africa.* [Seniors.] 2 hrs.**

Assistant Professor F. W. WILLIAMS.

The history of colonization as undertaken and systemized by European nations in modern times especially in regions already populated. In connection with the causes leading to the acquisition of colonies the development of the colonial administration of each of the great powers is treated in turn. The course will involve the investigation of special subjects assigned by the instructor and the critical discussion of brief theses written upon them.

**C 5 *American History [1860-1900].* [Seniors.] 2 hrs.**

Professor C. H. SMITH.

Political and Constitutional History of the United States from the beginning of the Civil War to the present time. In its political features this is a continuation of course B 16 in Junior year. In its constitutional features, dealing mainly with the States in their federal relations, it is a continuation of course B 17.

**\*C 6 *American History [1860-1876].* [Seniors.] 1 hr.**

Professor C. H. SMITH.

A study of the Civil War and Reconstruction periods, with special attention to constitutional questions.

**\*C 7 *American History [1787-1860].***

Research Course. [Seniors.] 1 hr.

Professor BOURNE.

An introductory course in historical investigation. Individual assignments of topics for investigation in the sources. Training

in the collection and arrangement of material, preparation of papers, select bibliographies and the simpler problems of criticism and method. The work for the year 1902-1903 will be devoted to the history of the territorial expansion of the United States.

## XXI. THE SOCIAL SCIENCES

### SUGGESTIONS AS TO CHOICE OF COURSES

For those who have only a general interest in the subject, as part of a liberal education :

In Junior year : A 1, Elementary Economics.

In Senior year : B 20, Science of Society.

For those who have a special interest in the subject, and desire to devote particular attention to it :

In Junior year : A 1, Elementary Economics ; and other A courses according to particular interests.

In Senior year : B 20, Science of Society ; B 1, Finance, or B 5, Industrial History of the United States ; together with one or more of the B or C courses.

To those who intend to teach Economics, B 10, Economic Theory, and B 11, History of Economics, are important courses. Course A 30, Debates on Public Questions, is valuable for training in debate independently of the question of specializing in Economics. Course A 25, Law, is intended for prospective law students.

**A 1** *Elementary Economics.*

3 hrs.

Professors FISHER and EMERY.

Lectures, two hours a week,—for one-half of the year by Professor Fisher on the outlines of economic science ; for the remaining half of the year by Professor Emery on contemporary economic problems. The third hour will be occupied by a quiz-exercise in small sections under Professors Fisher and Emery, Dr. Norton, and Mr. Tuckey.

Text-books : Cannan's *Elementary Political Economy* and Hadley's *Economics*.

A 2 *Elementary Statistics.*

2 hrs.

Dr. BAILEY.

The sources and reliability of statistical data are discussed, and the methods of distinguishing true and false inferences are pointed out. Index numbers are studied, and the lectures treat of the statistics of population, crime, suicide, property, etc. The attempt is made to determine the laws which govern the group action of men.

Text-book: Mayo-Smith, *Science of Statistics*.

A 5 *Ethnology.*

2 hrs.

Assistant Professor KELLER.

A study of existing nations and tribes; their manners, customs, etc.; analysis and comparison of national traits. The course will deal chiefly with the life of savage and partially civilized peoples. Keane's *Ethnology* and *Man Past and Present* will be used as text-books, and will be supplemented with lectures, papers, and the use of all the illustrative material, such as the Peabody Museum collections, that may be available.

A 10 *Modern Political Institutions.*

2 hrs.

Professor RAYNOLDS.

A comparative study of the organization and administration of the modern state and municipality. Assigned readings in representative text-books will be accompanied by a series of lectures upon the political and economic aspects of the modern European governments. Some of the topics treated are: the origin and development of constitutional government; the protection of individual liberty; the extension of the suffrage; proportional representation; the caucus and the primary; the organization and functions of political parties. During the last half of the year especial attention will be given to the organization and problems of the modern city.

Students able to use French or German may undertake additional work and count the course as the equivalent of three hours.

A 15 *Commercial Geography.*

2 hrs.

Professor EMERY and Assistant Professors GREGORY and KELLER.

Economic conditions of geographical location, climate, winds, ocean currents; the natural distribution of flora, fauna, mineral

treasure, etc. Conditions of human life as affected by natural environment. The frontier trade : "natives" as producers and consumers ; trading companies and settlements. Trade routes, natural and artificial. The modern international system.

Text-books and lectures.

A 25 *Law*. [Seniors.] 5 hrs.

Professors S. E. BALDWIN, TOWNSEND, WURTS and ROGERS.

This course is intended for those only who wish to begin the study of law as a profession.

Professor BALDWIN : *American Law*, Lectures ; *Agency*. Recitations ; *Wills*, Lectures and study of cases.

Professor TOWNSEND : *Evidence*, Lectures ; and recitations.

Professors WURTS and ROGERS : *Elementary Law and Contracts*.

Text-books in *Contracts* ; *Evidence* ; *Elementary Law*.

For a course in *Roman Law* see *Latin*, B 10, p. 81.

A 30 *Debates on Public Questions*. [Seniors.] 2 hrs.

Mr. W. H. CLARK.

Members of the class will conduct debates each week on subjects of public interest ; prepare and interchange briefs, and argue the questions at issue on the basis of special study and investigation. Professor Emery will advise members of the class during any of his consultation hours on the subject of their investigation.

B 1 *Finance* [after A 1]. 3 hrs.

Professor SCHWAB.

Two lectures and one quiz-exercise a week.

Topics covered : the history of money and banking in the United States ; corporate finance and securities ; public finance with special reference to American conditions.

Text-books : White, *Money and Banking* ; Dunbar, *Banking* ; Greene, *Corporation Finance*, and others.

**B 5    *United States Industrial History* [after A 1].        3 hrs.**

**Professor SCHWAB.**

Two lectures and one quiz-exercise a week.

Topics covered: history of American industries, with extended reference to tariff legislation; the origin and growth of the modern industrial organization; railroads and industrial combinations.

Text-books: Taussig, *Tariff History of the United States* (edit. of 1900); Hopson, *Evolution of Modern Capitalism*; Hadley, *Railroad Transportation*, and others.

**B 7    *American Social Conditions* [after A 1 or A 2].        2 hrs.**

**Dr. BAILEY.**

A critical study of the principal phenomena that are characteristic of American society. The problems connected with the negro, concentration of urban population with the attendant dangers, immigration, poor relief, labor organizations, liquor question, etc. will be presented in lectures.

Text-books: Wright, *Elements of Practical Sociology*, and others to be announced later.

**[B 9    *Theory of Capital* [after A 1].                                2 hrs.]**

**Professor IRVING FISHER.**

This course will treat of controverted points as to Capital and its relation to Interest and Distribution. Special attention will be given to the work of Böhm-Bawerk and the elder John Rae.

Omitted in 1902-1903.]

**B 10    *Economic Theory* [after A 1].                                2 hrs.**

**Professor IRVING FISHER.**

This course will treat of (1) methods of economic study with especial reference to the use of mathematics in economics and statistics and (2) the applications of these methods to the more difficult problems of economic theory, such as value, prices, price levels, capital, interest, distribution and international trade. Text-books: Fisher, *Brief Introduction to the Infinitesimal Calculus*; Cournot, *Mathematical Principles of the Theory of Wealth*; and Pareto, *Cours d'économie politique*, or Marshall, *Principles of Economics*.

B 11 *History of Economics.* Pt. I. [after A 1]. 2 hrs.  
Professor EMERY.

A study of the literature and history of Economics from the Middle Ages to the middle of the nineteenth century. Special emphasis is laid on the relation of economic ideas to contemporary economic conditions and policy. Lectures and class-room discussion of leading writers, *e. g.* Mun, Turgot, Adam Smith, Ricardo. (This course is given in alternate years with B 12.)

[B 12 *History of Economics.* Pt. II. 2 hrs.  
Professor EMERY.

This course is a continuation of B 11. It deals with the later reactions from the Classical School, the protectionist reaction, the "historical" reaction and the socialistic reaction.

Omitted in 1902-1903.]

[B 14 *Economic History of Europe.* 2 hrs.  
Assistant Professor DAY.

A study of the development of the industrial organization in Europe from the period of the Germanic invasions to the industrial revolution of the nineteenth century. The course is designed mainly to describe the development of economic institutions, incidentally to point out the bearing of this development on that of legal and political institutions.

Omitted in 1902-1903.]

B 16 *Economic Organization in Europe* [after A 1]. 2 hrs.  
Assistant Professor DAY.

A study of the economic organization in the different countries of Europe, and of its influence on the position taken by them in the modern world. The subject will be treated from the standpoint of history rather than from that of commercial geography; the course is designed not so much to impart information of business value as to interest students in the historical aspect of questions of the day. The different countries of Europe will be considered separately, with reference in each to the relative importance of the extractive industries, manufactures and trade, the characteristic organization of each branch of production, and its influence on the national, social and political organization.



An attempt will be made to estimate the amount and direction of influence exercised by important states in their international relations, and to show the reaction of their foreign policy on life and production at home.

B 18 *Trade Statistics* [after A 1 or A 2]. 2 hrs.

Dr. NORTON.

The condition of trade viewed from the standpoint of (i) the international movement, (ii) bank clearings, (iii) the money supply, (iv) the outlook for the harvests, and (v) earnings of corporations. Analysis of railroad reports, crop forecasts, visible supplies, etc.

Text-books: Woodlock, *Anatomy of a Railroad Report*, and others to be announced.

B 20 *The Science of Society* (counted as a B grade if taken after A 1; otherwise the course counts as an A grade). [Seniors.] 2 hrs.

Professor SUMNER.

An elementary course, with text-book lessons and examinations, in Anthropology and Ethnology, with the origin of civilization and the development of institutions.

In connection with this will be a course of lectures on Systematic Sociology [Societology]. Topics are: The organization of society; the individual and the social; social forces; militarism and industrialism; property; marriage, family, and the status of women; primitive notions in religion and philosophy; civil government, law and rights; slavery and classes; economic interests and their collisions; conditions of welfare; origin of moral standards; reaction of reason on experience. These topics are treated exclusively in the light of Historical Anthropology and Ethnology.

B 21 *The Science of Society* (counted as a B grade if taken after A 1; otherwise the course counts as an A grade). 2 hrs., to count as 3 hrs.

Professor SUMNER.

A course with a German text-book (Lippert's *Kulturgeschichte*; 2 vols., Stuttgart, 1887), for those who are able to read difficult German. The exercises are coincident with those of course B 20, including the lectures as above.

- B 25 *Colonization (Economic and Social)* [with or after  
A 1]. 2 hrs.

Assistant Professor KELLER.

The economic, social and ethnological aspects of colonization. A preliminary sketch of ancient and medieval expansion and colonization, followed by a closer study of the experience of the several colonizing states of modern times. Emigration, colonial trade, frontier society, the native question, etc. Text-books dealing with British colonies and colonial policy will be used ; the other colonial powers will be treated in lectures.

- B 26 *Colonization.* 3 hrs.

The same course as B 25, to count as three hours, for students who do additional work in the way of special reports involving the use of some foreign language.

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- C 1 *Finance* [with B 1]. 1 hr.  
Professor SCHWAB.

Recent financial history of the United States, with a detailed study of the current money market.

Text-book: Noyes, *Thirty Years of American Finance*.

- C 3 *International Trade* [with B 1 or B 5]. 1 hr.  
Professor SCHWAB.

The theory of international trade ; a short review of the commercial history of the United States ; and a detailed study of the current foreign exchange market.

Text-books : *Financial Review*, *Statistical Abstract*, and others.

- C 4 *United States Public Finance* [with B 1]. 1 hr.  
Professor SCHWAB.

A study of United States Federal, State and local taxation.

Text-books : Wells, *Taxation*, and others.

- \*C 5 *Commercial Policy of Europe* [with B 1 or B 5]. 2 hrs.  
Professor EMERY.

A study of the commercial policy of Europe in the nineteenth century. This course is open to Seniors but primarily intended for graduate students. A reading knowledge of French or German will be expected.

C 7 *Labor System* [with B 1 or B 5]. 1 hr.

Dr. BAILEY.

The various theories concerning the payment of labor, the conflicts between labor and capital, strikes, lock-outs, coöperation, profit-sharing, arbitration, compulsory insurance, and the various plans for the amelioration of the conditions of workingmen. Each member of the class will carry on a special investigation of an assigned topic.

C 10 *Economic Theory* [with B 1, B 5, or B 11]. 2 hrs.

Professor FISHER.

The same as course B 10, taken with either B 1, B 2 or B 11.

C 11 *History of Economics* [with B 1, B 5, or B 10]. 2 hrs.

Professor EMERY.

The same as course B 11, taken with either B 1, B 2 or B 10.

C 16 *Economic Organizations in Europe*

[with B 1, B 5, B 11, or B 18]. 2 hrs.

Assistant Professor DAY.

The same as B 16, taken with B 1, B 5, B 11, or B 18.

\*C 17 *The Speculative Market*. 2 hrs. 1st half-year.

Professor EMERY.

A study of the speculative side of modern trade and industry; the development of the world market; the relation of producer to consumer; commercial risks; with a detailed study of organized speculation.

C 18 *Trade Statistics* [with B 1 or B 5]. 2 hrs.

Dr. NORTON.

The same as course B 18, taken with B 1 or B 5.

C 21 *Science of Society* [after A 1 or A 5: and with B 1 or B 2, or B 7, or B 10, or B 11]. 3 hrs.

Professor SUMNER.

The same as course B 21, taken after A 1 or A 5; and with either B 1, B 2, B 7, B 10, or B 11.

- C 24 *Statistical Theory of the Evolution of Man* [after A 1  
or A 2 and with B 20]. 2 hrs.

Dr. NORTON.

Statistical methods for handling the data of the somatic evolution of man. Special reference will be made to the problems under variation, heredity, panmixia, regression, selection and prepotency, with passing notice of some practical applications in life insurance. The methods of Pearson, Yule and Galton will be discussed.

## XXII. THE FINE ARTS

- A 1 *Drawing*. [Juniors.] 2 hrs.

Professor NIEMEYER.

This course consists of two exercises a week, of two hours each, in drawing from the antique and from life, and also in sketching from nature out of doors. Exercises in original composition are required from time to time. It is the aim of this course to teach the fundamental principles of Art, and to make the student familiar with the use of pen and pencil.

The work in drawing is supplemented by lectures in linear perspective and the analysis of the muscular movements of the human body as expressed in the external forms.

To those who are interested in Art only as part of a liberal education, as well as to those who wish to make Art in any form a profession, this course is equally adapted. Work done outside of the class-room is encouraged and carefully considered when brought for criticism.

*No previous knowledge of drawing is necessary to enter this course.*

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- B 1 *Architecture* [after A 1]. 2 hrs.

Professor NIEMEYER.

This course is adapted to students who wish to prepare themselves to enter a school of architecture or an architect's office.

It consists in lectures on the styles in architecture, the historical development of ornament and its artistic significance. The study is principally by means of free-hand drawing with pen and brush, although instruments are used when necessary, and the conventional shades and shadows are carefully constructed.

A written examination on the chapters of Dr. Reber's *History of Ancient Art* relating to Greek Architecture will be held about the middle of the second term.

This course follows A 1, which must be taken first. A satisfactory equivalent will, however, be accepted.

**B 2** *Painting* [after A 1]. [Seniors.] 2 hrs.  
Professor WEIR.

Two exercises a week, of two hours each. The course consists principally of studies in Water-Color Painting, and includes lectures on the Grammar of Art, on Painting, Sculpture, and Architecture, technically considered, with a critical account of the various Schools and their representative Masters. The lectures are fully illustrated by the use of the hydro-oxygen lantern.

**B 3** *Modeling* [after A 1]. [Seniors.] 2 hrs.  
Professor WEIR.

Two exercises a week, of two hours each. The course consists in modeling from the antique and from the living figure, and is supplemented by the lectures given in course B 2.

### XXIII. MUSIC

**A 1** *Harmony*. 2 hrs.  
Assistant Professor JEPSON.

The study of chords, their construction, relations and progressions. This course covers the following subjects :

Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ point, passing and changing notes.

Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies.

The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles.

Particular attention is given to the natural, melodic, and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room, with explanations and illustrations.

G. W. Chadwick's *Harmony* is used as text-book.

**A 3 *The History of Music.***

1 hr.

**Professor PARKER.**

Lectures on the development of music from its earliest stages. History of Church Music from the time of Gregory ; History of Opera and Oratorio ; Biographical sketches of famous composers, with description and analysis of their principal works ; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical form are given in the class-room.

*The Evolution of the Art of Music*, by Sir C. Hubert H. Parry, is used as a text-book.

**B 2 *Counterpoint.***

2 hrs.

**Professor PARKER.**

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*.

Examples of the different orders of Counterpoint in two, three, and four voices are required ; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition. No text-book is used.

**C 1 *Strict Composition.***

2 hrs.

**Professor PARKER.**

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts ; Threefold and Fourfold Counterpoint ; Four- and Three-part Fugues for voices or for instruments ; Canons of various kinds, with or without accompaniment of free voices ; Free treatment of different kinds of thematic material.

This course is preparatory to course C 2. No text-book is used.

**C 2 *Instrumentation.***

2 hrs.

**Professor PARKER.**

This course is open only to students who have done the work of courses A 1 and B 2, and it is strongly recommended that course C 1 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading, and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

### C 3 *Free Composition.*

2 hrs.

Professor PARKER.

This course is open only to students who have done the work of courses A 1, B 2, and C 2, and who have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form. No text-book is used.

### *Practical Music.*

Professor SANFORD, Assistant Professor JEPSON, Assistant Professor TROOSTWYK, and Mr. KNIGHT.

Instruction is given in Piano-, Organ-, and Violin-playing to a limited number of students. Fees range from \$50.00 to \$150.00 for the college year.

Each student of the piano-forte receives individual instruction, under the supervision of Professor Sanford, who will in person instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert-playing. (No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.)

Students of organ-playing receive personal instruction from Professor Jepson and of violin-playing from Professor Troostwyk.

## XXIV. PHYSICAL EDUCATION

A 1 *Physiology and Gymnastics.*

2 hrs.

Dr. SEAVER and Dr. ANDERSON.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning, and for those who wish a more complete course of training for self-improvement than is offered in Freshman year. The work comes under two general branches :

(1) *Physiology.*

This work consists of one recitation or lecture a week with Dr. Seaver, during the year. The first term is devoted to elementary physiology. The second term is devoted to human physiology ; special attention being given to a study of the circulation, respiration, digestion, and excretion. The third term is given to a study of sanitary science. Collateral reading will be required during the third term.

(2) *Principles and Practice of Gymnastics.*

Under this head will be discussed by Dr. Anderson (a) the scientific basis of physical training ; (b) history of gymnastics and growth of the various systems ; (c) means employed, such as apparatus and appliances ; (d) physical examinations and measurements ; (e) pedagogy of gymnastics.

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The following statements are added to explain the general aim and scope of the instruction in some of the leading subjects of study.

GREEK—During the first two years, the students read selections from Thucydides or Herodotus, dramas of Aeschylus, Sophocles, and Euripides, one or two comedies of Aristophanes, one or more orations of Demosthenes, Isocrates, or Lysias, the Apology or some dialogue of Plato ; occasionally, the *Symposium* of Xenophon or selected dialogues of Lucian. These works are selected with a view to making the student familiar with the leading branches of Greek Literature, and the most interesting phases of Greek life and thought. The most important grammatical principles are reviewed in the Freshman year ;



in the Sophomore year, grammatical questions are discussed rarely except as they are necessary for the interpretation and illustration of the author's meaning. In reading the works of the poets, less attention is paid to linguistic and grammatical points than to their literary quality, to the structure of the poems, to poetic words, forms, arrangement of words, rhythm, and constructions; but the growth and development of the language are discussed as well as the development of the literature. In reading the orators and historians, the connection of thought and of events is made prominent. Greek prose composition is practiced only so far as to aid the student in reading Greek authors, and to quicken his perception of nice distinctions in the order and choice of words and construction.

In the optional courses of the Junior and Senior years, the student has the opportunity of reading the works of the lyric poets, other Greek dramas, and other dialogues of Plato, parts of Aristotle (his *Politics* and *Ethics*), and the *Idyls* of Theocritus; as well as of studying Greek inscriptions, and of doing more critical work on the Homeric poems than is suited to the early years of Greek study; also of learning the Modern Greek language. The history of Greek philosophy is studied, and a connected survey of ancient history is offered, from the earliest state by the Euphrates to the empire of Charlemagne.

**LATIN**—By the close of Freshman year, it is intended that the student shall have gained clear conceptions of the genius of the language and its relations to other ancient and to modern tongues, a good knowledge of the characteristics of Latin literature and the essential facts of Roman history, and some appreciation of the position of Rome in the history of civilization. That subsequent reading of the language may be more easy and more exact, due attention is given in the early part of the course to forms, constructions, and idioms. From term to term the study of the literature is made more prominent, and particular texts are treated as means for the study of the public and private life of the Romans. Instruction is given mainly by recitations, but such work is supplemented by occasional lectures by the instructors and by conferences on papers presented by the pupils. In connection with the minute study of the authors, considerable time is given to oral and written reading at sight, and to composition in Latin.

For Seniors, Juniors, and Sophomores who desire to continue their Latin studies, parallel courses are offered by different instructors, with different ends in view and by different methods. The characteristic of a course may be, *e. g.*, literature, or history, or philology, or antiquities, or the speaking and writing of Latin; and the methods of preparation and the class-room treatment vary accordingly. Topics suggested by the nature of the courses, or by individual tastes and intentions, are

assigned to students, and papers thus prepared are discussed before the class. Lectures and the rapid reading of large amounts of texts are more frequent than in the prescribed courses. The connections of Latin with English are emphasized, and written translations are from time to time required and criticised with reference both to their faithful reproduction of the Latin thought and their idiomatic English. German annotated editions are often used, not only for their intrinsic helpfulness, but also to encourage the practical use of that language. Students who give evidence of unusual capacity and attainments may be admitted to membership of graduate classes.

**MATHEMATICS**—During the first year Solid Geometry, Plain Trigonometry and either the elements of Mechanics or of Analytical Geometry are studied by the whole class. The Analytical Geometry is a necessary preparation for the Sophomore Calculus. The Mechanics is preparatory to Sophomore Physics.

During the second year courses B 1 Calculus, B 2 Analytical Geometry, and B 3 Spherical Geometry and Trigonometry with Applications may be taken. Those who desire to make rapid progress in mathematical studies are advised to take both the Calculus and the Analytical Geometry in Sophomore year.

The remaining mathematical courses described in the preceding pages fall into four groups, viz: Pure Mathematics; Mathematical Physics; Astronomy; Engineering Sciences. The courses in Advanced Calculus form the foundation of each of these groups and should be taken in Junior year. The students in Pure Mathematics and Mathematical Physics should also take the courses in Projective Geometry, Higher Algebra, Vector Analysis, Function Theory and Differential Equations sometime in their Junior and Senior years; those in Astronomy the courses in Practical Astronomy, Analytical and Celestial Mechanics; and those in Engineering Studies the courses in Descriptive Geometry and Machine Drawing, and in Machine Designing.

Students desiring to take honors in mathematics, or intending to pursue graduate studies in any one of the above lines, should follow this scheme rather closely.

As modern mathematical literature is largely in French and German, students should acquire as soon as possible a good reading knowledge of these languages.

It is desirable even for students of pure mathematics that they should acquire the elements of descriptive geometry, and facility in the use of drawing instruments.

The seminary rooms and mathematical laboratory at 90 High Street are open to students taking the more advanced courses.

**ENGLISH**—The required study of English occupies three hours a week throughout Freshman year, and is concerned with the following works: four representative plays of Shakespeare; selected essays of Carlyle, Ruskin, and Arnold; Tennyson's *Idylls of the King*, and shorter poems; Palgrave's *Golden Treasury of Songs and Lyrics*. The work as a whole has for its object to cultivate in the student the habit of careful, critical reading of the best English literature.

In Sophomore year the following authors are read: Spenser, Shakespeare, Milton, Addison, Steele, Swift, Pope, Gray, Sheridan, and Macaulay. The Sophomore course in rhetoric aims at a survey of the whole field of prose composition, a general training in fundamental principles and in the habit of expression, and a special training in exposition. The weekly recitations and lectures are auxiliary to the instruction given to each student in conference on frequent essays.

The DeForest, Townsend, TenEyck, Betts, McLaughlin, and Winston Trowbridge Townsend prizes (pp. 184 ff.), are under the superintendence of the Assistant Professor of Rhetoric.

For the present year a prize in poetry, of the value of fifty dollars, is offered to the University by Professor Cook.

The elective work in English for the Junior and Senior classes follows six different, though related, lines. Instruction is offered in the outlines of the history of English literature, with reading of selected authors; in the earlier stages of the language, with reference as well to the reading of the older literature as to linguistic discipline; in rhetoric; in the theory of poetry, involving a consideration of literary criticism in general, in the theory of the drama, and in English literary criticism; in the evolution of certain literary forms; and in the study of various periods, classes of writers, and individual authors.

The course in the history of English literature is regarded as preparatory to the study of special periods and topics. A text-book is the main reliance for the history up to Spenser; beginning with this poet, specimen works of ten authors are read, and supplementary lectures are delivered.

The course in Old and Middle English is intended to impart the elementary knowledge essential to the reading of pre-Chaucerian authors as well as to the fuller understanding of Chaucer himself, and to give the student a sense of the meaning and value of our earliest literature.

The courses in rhetoric are intended to provide systematic practice and criticism in any prose form, and in the composition of verse.

The course in the theory of poetry is designed to give the student a philosophical conception of the nature of poetry, and the laws of its

chief genera, as expounded by leading critics and deducible from the master works of literature. That in the theory of drama expounds the technique of dramatic art. That in English literary criticism surveys the history of the subject since the middle of the sixteenth century.

The course on the English lyric is a study in literary evolution. The nature of lyric verse, its origin, its development in substance, and its technique, are carefully considered, and the works of the principal lyric poets from Skelton to Shelley are read and discussed. That on English comedy treats this form from its beginning to Sheridan. That on medieval allegory is devoted to three important texts especially, one each in Italian, French and English.

The chief periods of English literature, with reference to which instruction is at present provided, are the age of Elizabeth and the seventeenth and the nineteenth centuries. The chief classes of writers examined are the Elizabethan dramatists, the dramatists from Shakespeare to the present, prose writers, and the leading American authors. The chief individual authors studied are Chaucer, Shakespeare (in two different courses), Milton (and his contemporaries), Johnson (and his circle), Tennyson, and Browning, besides Dante in translation.

The larger number of the courses in English are intended to be disciplinary as well as instructive; in other words, they have in view the development of insight and power no less than the imparting of information.

**GERMAN**—The student who has passed the admission examination in German may continue the study of German during each of the four years of his college course, if he so elect; the student who has not passed the admission examination in German may, if he desire, begin the study of German in either Freshman or Sophomore year, and pursue it for four or for three years; no elementary instruction in the language is given to Juniors or Seniors.

The courses of work for the successive years may be outlined as follows: During the first year the work consists of German grammar, translation of easy English phrases, sentences, and connected prose into German, and of easy German prose into English. Constant sight-translation is used as a means for developing and strengthening the student's vocabulary and for freeing him from dependence upon the lexicon and from the word-by-word methods which its use encourages. Especial care is devoted to pronunciation. The work of the second year continues and extends that of the first year, taking up the translation of more difficult German prose, both with previous preparation and at

sight, the study of word-formation, and the translation of more difficult English prose into German. Throughout the two years the aim in reading German is to cover as much ground as possible—from 500 pages upwards—in the belief that thereby the student will acquire more command of the language than when a smaller amount is read with rigid attention to grammatical details. It is expected that at the end of the second year the student will have adequate preparation for the use of the language in his work in other branches of study. Those, therefore, who are studying German solely with this end in view may perhaps discontinue class-study at this point: but no student should begin the language unless he expects to devote at least two years to its study.

For the remaining years the courses vary from year to year; but opportunity is given for the critical study of works of leading authors, and for the study of periods in the history of German literature. Advanced courses are offered also in earlier German literature and in the historical development of the language.

German readings are given by the instructors, outside of the regular College work, and a course in advanced composition is given, in which German alone is spoken. German is constantly read aloud in the class-room, and efforts are made to improve the student's pronunciation and to help him to acquire some facility in expressing his ideas in German. But it is not a leading aim in the instruction in German to enable the student to converse in that language. Training in the ordinary conversational idiom may be had more profitably elsewhere and cannot form any considerable part of the class-room work. The student may acquire the language as a tool for use in other departments of study, and may come in contact with the best works of German literature, studying their form and contents, and the lives and environment of their authors; fluency in conversation must be acquired where the conditions are more fitted to the object which they are to effect.

**ROMANCE LANGUAGES (FRENCH, ITALIAN, SPANISH)**—The student who has passed the admission examination in French may continue the study of that language during each of the four years of his College course, if he so elect; the student who has not passed the admission examination in French may, if he desire, begin the study of French in either Freshman or Sophomore year and pursue it for four or three years; no elementary instruction in the language is given to Juniors or Seniors.

To the student properly equipped, *i. e.*, who has had two years of French in college, or the equivalent, the following Junior and Senior electives are open from which he may choose according to his special

wants with the advice of the department: (*a*) linguistic courses conducted in French and combining the study of some literary topic with practice in speaking and writing; (*b*) literary courses, in which the leading writers of one specific period are read and studied; (*c*) philological courses, for students who intend to teach and, in general, those who wish to study the origin and growth of the language and its earlier literature.

Barring exceptional cases, the study of Spanish and Italian cannot be begun before the Junior year, but if begun then, it can be continued to the end of the College course.

**PHYSICS**—The instruction in Physics is begun in Sophomore year, with a course, extending through the year, of three exercises weekly. This is a general course, conducted by recitations, liberally illustrated by means of apparatus and experiments, and by occasional lectures. The object is to give a broad general view of the subject, to make the student familiar with the fundamental principles of the science, to enable him to understand something of the methods of experiment and reasoning by which physical laws have been established, and to give him an insight into the processes by which accuracy is attained in physical work, and the degree to which it may be carried. The work serves also as the introduction to, and foundation for, the more advanced courses offered in Junior and Senior years, in which the student may pursue lines of work in general and theoretical Physics of a higher grade, or may take up practical work in the Sloane Physical Laboratory, beginning with the course in Junior year, and continuing the work, of a more advanced character, during Senior year, as is described in the list of elective courses.

**CHEMISTRY**—This study is elective. A course in experimental inorganic chemistry is open regularly to Sophomores and may be taken by Juniors and Seniors. Students who wish to master during the College course those branches of chemistry which are required for admission to medical or technical schools, or which are anticipatory of work otherwise required in such schools, should take this course as early as possible. It is a prerequisite to the other courses in chemistry and to the course in biology, and is desirable for those who propose to study geology or mineralogy. Instruction is given in this course by lectures and in the laboratory; and frequent examinations, written or practical, serve to review and emphasize essential facts and principles as well as to test the progress of the student.

Courses in qualitative analysis and in the preparation and study of the compounds of organic chemistry are open to students familiar with the subject matter of the first course. A course dealing with typical gravimetric and volumetric methods of quantitative analysis

may follow or accompany the course in qualitative analysis, and courses in the study of compounds of the rare elements and in typical methods for the preparation of inorganic salts are open by permission to students sufficiently advanced. Beside the courses already mentioned, the plan of which is to teach facts and principles by experimentation and induction, two lecture courses, one of which deals with the relations of the compounds of carbon and the other with general chemical theory, are open to properly qualified undergraduates.

**GEOLOGY**—The instruction in this department is planned to meet the wants of two classes of students: (1) those who wish a knowledge of the structure and history of the earth as a means of general culture, and (2) those who intend to make geology or some related science their chief life work. To this end an introductory course in General Geology is offered in which are discussed the elementary facts of earth structure, the geological processes by which the earth has attained its present form and surface features, and the evolution of living beings. These subjects are abundantly illustrated by laboratory and field practice. The courses offered in Mineralogy, Physical Geography and Meteorology are designed to enlarge the scope of study of the elementary earth sciences. Students who have completed one year of study and wish to continue may select work in one of the several branches of geology and will be encouraged to carry on special investigations. The lines of study now open to undergraduates are Mineralogy preparatory to mining, Structural Geology, Physiography, and Historical Geology in its many phases, including palaeontology. The collection of minerals, rocks, maps, and other illustrative material is ample for all branches of the subject, and the New Haven region is well suited to give practical field experience.

**SOCIAL SCIENCES AND LAW**—An elementary course in Economics is provided, which treats not merely of the general principles of the science, but some of the most important practical applications in finance and legislation. Text-books are supplemented by lectures and discussions. Those who take Economics in Junior year have an opportunity in Senior year to become acquainted with the history of the science and the controversies now going on in it, and to study more thoroughly special topics. In the course in Anthropology they are also offered an opportunity to become acquainted with the new sciences whose investigations are so important for the whole field of social science.

The course in Law in Senior year is intended for prospective students of law as a profession, and covers such topics as American law, agency, wills, evidence, contracts, etc.

**MENTAL AND MORAL SCIENCE, AND PHILOSOPHY**—The courses in this department of study begin in Sophomore year, and may be continued until graduation. They cover the following subjects: Psychology, Logic and Epistemology, Ethics, Aesthetics, History of Philosophy, Metaphysics, Philosophy of Religion, Pedagogics, and Philosophical Criticism.

**PSYCHOLOGY**—Elementary and advanced courses are offered both in Descriptive and in Experimental Psychology, and the subject is treated from the modern scientific standpoint. Although the elementary courses are taught with constant use of a text-book, upon which recitations are exacted, considerable time from the first is taken by the teacher in oral instruction, critical or supplementary of the text. Attention is called to the most recent advances in experimental and physiological psychology, to the educational bearings of the subjects treated and to the psychological bases of ethics and of theism. The most important of the older and newer works on psychology are placed in the University Reference Library for the use of students, who are urged to do side reading in connection with the class-room work. The elementary course in Physiological and Experimental Psychology is illustrated by models, charts, histological preparations, and apparatus for demonstrating all the principal topics covered. It is designed to go briefly over the whole ground of the modern experimental and physiological study of mental phenomena; especially as regards reflex and automatic cerebral action, the localizing of cerebral function, the quality and quantity of sensation, psychometry, etc. A similar illustrated course is given in the application of psychology to education. An elementary laboratory course furnishes a training in observation, thinking, and manipulation of apparatus as applied to psychological problems. An intermediate laboratory course furnishes a training in psychological measurements and leads to the more advanced work of the graduate school. The Psychological Laboratory possesses a very thorough equipment.

**LOGIC AND EPISTEMOLOGY**—The instruction in Logic aims at a thorough knowledge of the principles of deductive and inductive reasoning. In Deductive Logic special attention is given to an analysis of the syllogism, to a study of its functions and logical value, and to the study of fallacies. In Inductive Logic the problems, grounds, and principles of induction are discussed. Attention is given to familiarizing the students with the principles and methods of scientific investigation. The work in Logic includes an examination of recent logical theories. The courses in Epistemology undertake a critical examination of scepticism and agnosticism, and the study of the nature, limits, and grounds for the validity of our knowledge of reality.



**MORAL SCIENCE**, as a study, is intimately connected with the instruction in Psychology and Philosophy, as its foundations are discovered in the constitution of the human soul, and its method and fundamental relations are justified and enforced by those principles which are essential to all scientific thinking. In the department of Moral Science and of Practical Ethics, a somewhat thorough elementary course is offered as an essential element of a thorough education and an important condition for practical usefulness. This general course is supplemented by special classes in scientific and practical Ethics, and particularly in the history and criticism of ethical theories.

**AESTHETICS**—Instruction in this branch of study seeks to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system.

**HISTORY OF PHILOSOPHY**—In the study of the History of Greek Philosophy the principal emphasis is laid upon Plato and Aristotle and upon the post-Aristotelian Schools, as illustrating the permanent and most interesting problems of Philosophy.

The course in Modern Philosophy consists of expository and critical lectures, and the cursory reading of philosophical masterpieces from Descartes to Hegel. Special emphasis is laid upon the philosophy of Kant. It is a constant aim to trace the development of modern speculative thought so as to throw light upon the principal questions in debate among present writers in philosophy.

**PHILOSOPHY OF RELIGION**—In a course of lectures, accompanied by required readings, the principal facts and conceptions which belong to the religious experience and development of man are made the subjects of discussion and reflective study. In another course of lectures some of these topics are treated more from the historical and comparative standpoints.

**METAPHYSICS**—The principal metaphysical conceptions—such as space, time, causation, number, substance, quality, relation, etc.—are thoroughly discussed in an advanced elective course; and the attempt made to unite them in a harmonious view of the physical world and of human life. This involves a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World.

**PEDAGOGICS**—Thorough instruction is given in Systematic Pedagogy, Experimental Pedagogy, and in the History of Education and Educational Theory. These subjects are considered in both their theoretical and practical aspects, the aim being to prepare students for the practical work of teaching.

**PHILOSOPHICAL CRITICISM**—In addition to the study of Philosophy as connected with the problems of rational Psychology, and as illustrated and enforced by the history of the development of Philosophy, the works of one or more of the leading authors are read and discussed, with such students as take the elective courses opened for this purpose. In this way the more general studies in Metaphysics and Ethics are supplemented by special information regarding selected subjects and writers.

**MUSIC**—The department aims to provide adequate instruction for those who intend to become professional musicians, either teachers or composers, and to offer a complete course of study to such as intend to devote themselves to musical criticism and the literature of music. In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

### SPECIAL HONORS

Special Honors are conferred at the end of Senior year in the following groups of studies :

- Classical Languages and Literature.
- Semitic Languages and Literature.
- Romance Languages and Literature.
- Germanic Languages and Literature.
- English Language and Literature.
- Mathematics.
- Physics and Chemistry.
- Natural Sciences.
- Philosophy.
- History.
- Social Sciences.
- Music.

A candidate for special honors must pursue with distinction courses aggregating nine hours of work of B and C grades, of which at least three hours must be of C

grade, and present a meritorious thesis embodying the results of individual research. The thesis must be type-written and must be presented before June 1st.

Courses in Sanskrit may be counted as a part of the work in the Classical Languages.

Courses in Old and Middle English may be counted as part of the work in the Germanic Languages.

Courses in Social Sciences A 1, A 2, A 5, A 10, may be counted as of grade B if taken after History A 1.

In Music, honors will be given for distinguished work on the completion of all the courses offered to undergraduates.

A candidate for honors must consult the instructor under whose direction he proposes to write his thesis before December 1st of Senior year.

A candidate's whole work in any group, though it may be more than the minimum requirement for an honor, will be reckoned as a competition for the honor.

#### TERMS AND VACATIONS

The PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins thirteen weeks from the day after Commencement-day and continues twelve weeks; the second term begins on the Wednesday after the first Thursday in January and continues until Commencement-day, with a Spring Recess—of eight days—including Easter. See Calendar, p. 9.

#### PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel, with reading of the Scriptures and singing, every week-day at 8.10 A. M., at which service the attendance of the students is required.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all Academical students are required to attend, except such as have special permission to attend the worship of the denominations to which their parents belong. Such permission can be obtained on presenting to the

Dean or Division Officer a written request therefor from the parent or guardian. (For further information regarding Sunday services, see Part IV of this Catalogue, under the University Church.)

THE YALE YOUNG MEN'S CHRISTIAN ASSOCIATION, with a membership of over one thousand, has its headquarters in Dwight Hall on the College square. (See Part IV, under Young Men's Christian Association.)

### EXPENSES

THE BILLS FOR TUITION and other charges are made out and delivered to the students, or (*request to that effect being made*) mailed to the parent or guardian, three times a year, viz: at the beginning of each term or half-term, at which time they are payable at the Bursar's Office, No. 1 Phelps Hall. If not paid before the end of the month following the month in which they are issued, the student will not be permitted to attend recitations until his bill shall have been paid, and in the allotment of college rooms will not be permitted to retain or choose a room. Drafts on New York, Boston, and Philadelphia are received at par.

The annual charges for tuition are one hundred and fifty-five dollars. Of this amount fifty-five dollars are payable at the beginning of the first term, and fifty dollars at the beginning, and again at the middle, of the second term. An additional charge of eighteen dollars is made in the last bill of the Senior year to cover expenses of graduation.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

**Rooms**—There are in the College buildings over four hundred and seventy rooms occupied by students, at prices varying, according to location, from seventy-five cents to ten dollars per week, payable each term or half-term in advance. These rooms are not furnished, and the rates charged do not include heat (except in Welch Hall) or light.

Farnam Hall (built in 1869-70) is named in commemoration of Henry Farnam, Esq., of New Haven, who bore the chief part of the expense of its erection; Durfee Hall (built in 1870-71) commemorates in like manner the generosity of Bradford M. C. Durfee, Esq., of Fall River, Mass.; Lawrance Hall (built in 1885-86) owes its name to a gift for this purpose from Mrs. Francis C. Lawrance, of New York City, in memory of her son, Thomas Garner Lawrance, of the class of 1884, who died during his Senior year in College; Welch Hall, completed in 1892, is the gift of Pierce N. Welch, Esq. (Yale College 1862), of New Haven, in memory of his father, the Hon. Harmanus M. Welch, of this city, who died in 1889; Vanderbilt Hall, first occupied in 1894, is the gift of Mr. and Mrs. Cornelius Vanderbilt, of New York City, in memory of their son, William Henry Vanderbilt, a member of the class of 1893, who died in 1892; White Hall, completed in 1894, was erected at the expense of Andrew J. White, M.D. (Yale 1846), of New York City; and Fayerweather Hall, completed in 1901, is named in honor of Mr. Daniel B. Fayerweather of New York City.

Students living out of College are not allowed to room in any hotel or apartment-house or in any building in which a family does not reside, except by special permission of the Faculty.

A few rooms in each building are reserved in May, for members of the Freshman class of the year following, and are assigned to applicants in order of application. Correspondence about College rooms should be addressed to the Dean.

Members of the Junior, Sophomore, and Freshman classes, occupying any of the College rooms, may retain the same rooms for another academic year, by making application in writing to the locating officer, on or before Saturday, May 9, 1903. Rooms not reserved will then be offered to the classes in order: choices will be allotted to the Junior class on Monday, May 18, to the Sophomore class on Friday, May 22, and to the Freshman class on Thursday, May 28.

PRICES PER WEEK OF ROOMS IN COLLEGE FOR 1902-1903

When a room is occupied by two persons, each occupant will be charged with one-half the price named in this schedule. The prices given for Welch Hall include steam-heat.

\$0.75.—70 South Middle.

\$1.00.—84 South Middle; 359, 360, 361, 362, 363, 364, 365, 366 White; 417, 418, 419, 420 Berkeley.

\$1.25.—81, 82, 94, 95 South Middle; 409, 410, 411, 412, 416, 421 Berkeley.

\$1.50.—73, 74, 77, 78, 86, 87, 91 South Middle; 401, 402, 403, 404, 408, 413 Berkeley.

\$1.75.—80, 83, 93, 96 South Middle; 400, 405 Berkeley.

\$2.00.—71, 72, 75, 76, 79, 85, 88, 89, 92 South Middle; 133, 137, 141, 155, 160, 167, 175 Farnam; 385, 386, 387, 388, 393, 394, 395, 396 Berkeley.

\$2.25.—384, 389, 392, 397 Berkeley.

\$2.50.—142, 143, 158, 159, 161, 162, 176, 177 Farnam; 250, 251, 260, 261, 270, 271, 281, 282 Lawrance; 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598 Pierson.

\$3.00.—523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582 Pierson.

\$3.50.—140, 174 Farnam; 208, 215, 216, 223, 224, 231, 232, 239 Durfee; 415, 422 Berkeley; 451, 452, 453, 454 Fayerweather; 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566 Pierson.

\$4.00.—130, 131, 138, 139, 144, 145, 146, 147, 153, 154, 156, 157, 164, 165, 172, 173 Farnam; 407, 414 Berkeley.

- \$4.50.**—14, 18 Vanderbilt ; 134, 135, 148, 149, 151, 152, 168, 169 Farnam ; 248, 249, 258, 259, 268, 269, 279, 280 Lawrance ; 341, 342, 379, 380, 381, 382 White ; 399, 406 Berkeley ; 433, 434, 467, 468, 469, 470 Fayerweather.
- \$5.00.**—22, 26, 40, 56 Vanderbilt ; 129, 163 Farnam ; 202, 209, 210, 217, 218, 225, 226, 233 Durfee ; 241, 242, 246, 247, 252, 253, 256, 257, 262, 263, 266, 272, 273, 277, 278 Lawrance ; 296, 311, 312, 327 Welch ; 338, 339, 355, 356, 357, 358, 375, 376, 377, 378 White ; 430, 431, 447, 448, 449, 450, 463, 464, 465, 466 Fayerweather ; 585, 586, 599, 600 Pierson.
- \$5.50.**—44 Vanderbilt ; 206, 214, 221, 222, 229, 230, 237 Durfee ; 295, 298 Welch ; 351, 352, 353, 354 White ; 383, 390, 391, 398 Berkeley ; 443, 444, 445, 446 Fayerweather.
- \$6.00.**—48, 52 Vanderbilt ; 132, 166 Farnam ; 204, 211, 212, 219, 220, 227, 228, 235 Durfee ; 245, 254, 255, 264, 265, 274 Lawrance ; 284, 297, 299, 300, 301, 302, 313, 314, 315, 328, 329, 330 Welch ; 332, 333, 335, 336, 367, 368, 369, 370, 371, 372, 373, 374 White ; 424, 425, 427, 428, 455, 456, 457, 458, 459, 460, 461, 462 Fayerweather ; 521, 522, 535, 536, 569, 570, 583, 584 Pierson.
- \$6.25.**—283, 286 Welch.
- \$6.50.**—343, 344, 345, 346 White ; 435, 436, 437, 438 Fayerweather.
- \$7.00.**—2, 3, 13, 15, 41, 43, 45, 58, 60 Vanderbilt ; 201, 203, 205, 234, 236, 238 Durfee ; 285, 288, 292, 303, 304, 308, 316, 317, 318, 319, 323 Welch ; 340, 347, 348, 349, 350 White ; 432, 439, 440, 441, 442 Fayerweather ; 537, 538, 551, 552, 553, 554, 567, 568 Pierson.
- \$7.50.**—287, 291, 294 Welch.
- \$7.75.**—290 Welch.
- \$8.00.**—1, 11, 12, 16, 25, 27, 29, 36, 42, 55, 57, 59, 67, 69 Vanderbilt ; 289, 293, 305, 306, 309, 310, 322, 326 Welch ; 337 White ; 429 Fayerweather.
- \$8.50.**—5, 8, 17, 19, 21, 23, 47, 49, 51, 53, 63, 66 Vanderbilt ; 320, 324 Welch.
- \$9.00.**—10, 28, 34, 39, 54, 68 Vanderbilt ; 321, 325 Welch ; 331 White ; 423 Fayerweather.
- \$10.00.**—4, 6, 7, 9, 20, 24, 30, 32, 35, 37, 46, 50, 61, 62, 64, 65 Vanderbilt ; 240 Durfee ; 334 White ; 426 Fayerweather.

The subjoined table gives near estimates of the ordinary annual expenses in College, omitting clothing, vacation charges, and sundries.

	Lowest	General Average	Very Liberal
Treasurer's bill, tuition . . . . .	\$155	\$155	\$155
Rent and care of half-room in College, . . . . .	20	100	140
Board, 36 weeks, . . . . .	125	175	250
Furniture, average of half-room for 4 years, . . . . .	10	25	40
Fuel (steam-heat) and light, for half-room, . . . . .	15	20	35
Washing, . . . . .	15	25	40
Text-books and stationery, . . . . .	10	25	40
Subscriptions (to Societies, Sports, Periodicals, etc.), . . . . .		20	100
Total . . . . .	\$350	\$545	\$800

### BENEFICIARY AID

More than thirty thousand dollars is annually applied by the Corporation for the relief of students who need pecuniary aid. Of this sum about twenty thousand dollars is derived from permanent charitable funds, while the remainder is taken from the annual income of the College. This assistance is given in the form of Tuition Scholarships, as aid to the students intending to enter the ministry, and in Special Beneficiary Scholarships. Needy students are also employed as monitors, etc., and obtain text-books gratuitously from a loan library.

### TUITION SCHOLARSHIPS

Tuition Scholarships are granted to approved undergraduates in the Academical Department upon the basis of need and of excellence in scholarship as follows: For the first term of Freshman year an abatement of tuition will be made at the rate of one hundred and fifteen dollars a year, from the full annual charge of one hundred and fifty-five dollars, to such students as shall be judged to be in need of such aid to enable them to pursue their college course. The fact and the degree of the need in each case will be determined by the information given by the applicant in filling out a form of application (which may be obtained from the Bureau of Self-Help) in which particular questions are asked as to the financial condition of himself and his family. So far as is practicable this information will be regarded as confidential.



After the first term of Freshman year no abatement will be allowed to any applicant whose grade in scholarship, in the preceding term or half-term, has fallen below 2.50 on the scale of 0-4.00. From all the applicants whose grade in the preceding term or half-term is 2.50 or above, a certain number of scholarships at the rate of one hundred and fifty-five dollars a year will be assigned, at the beginning of each term or half-term, to those who are found to be at once highest in scholarship and most in need (Group A); and an equal number of scholarships at the rate of seventy-five dollars a year to those judged to be lowest in scholarship or least in need (Group C); and to all the rest, scholarships at the rate of one hundred and fifteen dollars a year (Group B).

These abatements will be made proportionally from each one of the term-bills when due. Assistance will be withdrawn from students whose expenditures are not in accordance with the claim of limited means, or who are irregular in attendance, or who shall be found guilty of behavior reflecting upon their moral character or subversive of college discipline.

Those needing this aid should make application to the Bureau of Self-Help, in each year of the College course. A person applying for the first time is required to present evidence in writing that he is worthy to receive assistance, when he will receive a form of application which must be filled out and left at the Bureau of Self-Help on or before October 15.

Tuition Scholarships are derived from the income of funds as follows :

The MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-seven in number, yielding one hundred and fifteen dollars each), to be assigned by the Faculty for the benefit of indigent and deserving students.

The MARETT FUND, amounting to over one hundred and fifty-two thousand dollars, which was established by the will of Philip Marett, of New Haven, in 1869, and was received in 1889-97, has been appropriated for beneficiary scholarships, in aid of needy and deserving students.

The CHRISTMAN FUND, amounting to over twenty-two thousand dollars, bequeathed by Joseph A. Christman (Yale College 1857), of New York City, who died in 1888, is devoted to the support of poor and meritorious students.

The HARMER FOUNDATION OF SCHOLARSHIPS, the proceeds of a bequest in 1854 from Thomas Harmer Johns (Yale College 1818), of Canandaigua, N. Y., comprises five scholarships, each yielding at least one hundred dollars a year, to be given to deserving students of small means.

The LYON SCHOLARSHIP FUND, of forty-four hundred dollars, given in 1868-72 by Morris W. Lyon (Yale College 1846), of New York City, benefits four scholars, selected for their worth and need by the founder or the Faculty.

There is also a FUND, the income of which is used for scholarships, which has been constituted from repayments made to the treasury by former students who have received aid during the College course.

There are thirty-one other Scholarship Funds, most of them of one thousand dollars, the income of which may be given to such students as shall be selected by the founders or the Faculty. In this number are included Scholarships named in commemoration of William Allen, Charles Atwater, Mills Bordwell, William S. Charnley, Thomas H. and Luther Fuller, Sereno Gaylord, John C. Holley, Charles L. Ives, Elisha C. Jones, William A. Macy, John S. Mitchell, John M. Raymond, John Spaulding, and James M. Whiton.

#### AID TO STUDENTS INTENDING TO ENTER THE CHRISTIAN MINISTRY

Those desiring this aid should apply to the Bureau of Self-Help on or before November first in each year of the

College course. A person applying for the first time must present proper testimonials. The applicant is required to sign an agreement (attached to the application for a Tuition Scholarship) that, at the end of his College course he will give his promissory note to the Bursar of Yale College for an amount equal to all the sums he shall have received on this special account (by which is meant all in excess of what he would have received had he held only a Tuition Scholarship) payable five years from the date of his graduation, if at that time he has not entered upon the work of the Christian ministry.

This aid is generally sufficient to meet the entire charge for tuition. It is derived from the income of funds, as follows:

The ELLSWORTH FUND, now about ninety-six thousand dollars, was received in 1858 from the estate of the Hon. Henry L. Ellsworth (Yale College 1810). The Corporation have directed that two-thirds of the income of this fund be annually applied to the aid of students in the Academical Department, in the words of the will "needing such assistance and having the settled and avowed purpose of entering the Gospel ministry."

The LANGDON FUND, of four thousand dollars, was bequeathed in 1835 by Solomon Langdon of Farmington, Connecticut, to be applied for the instruction of undergraduate students having "the purpose of devoting their lives to the Gospel ministry."

Also devoted to this purpose are the GRATUITY FUND of over fourteen thousand dollars, and funds named in commemoration of William E. Dodge, Rev. Joel Hawes, D.D., and Rev. Peter Parker, M.D.

#### SPECIAL BENEFICIARY SCHOLARSHIPS

Certain beneficiary scholarship funds for one reason or another have been kept distinct from the general Tuition Scholarship funds. They are as follows :

The LUCIUS HOTCHKISS FUND, of ten thousand dollars, the bequest of Lucius Hotchkiss, of New Haven, in 1881, comprises four scholarships, the income of which is given to indigent and deserving students.

The LEAVENWORTH SCHOLARSHIP FUND, now amounting to over seventeen thousand dollars, was established in 1882 by the Hon. Elias W. Leavenworth (Yale College 1824), of Syracuse, N. Y., with the primary object of defraying in part the expenses of the education of students of good character and promise, bearing the surname of Leavenworth.

The HOLMES SCHOLARSHIPS, one in each class in College, founded by Samuel Holmes, of Montclair, New Jersey, are filled upon the nomination of the Board of Agents of the Silas Bronson Library of Waterbury by students from the towns of Waterbury, Wolcott, Prospect, and Middlebury, Connecticut, who receive each the income of one thousand dollars *per annum*.

The income of the TEELE FUND, of one thousand dollars, given by the Rev. Albert K. Teele, D.D., of the class of 1842, is distributed by the President of the University, at his discretion, among needy and deserving undergraduates.

The income of the JAMES MARSHALL SCHOLARSHIP FUND of two thousand dollars is to be used to pay the tuition annually of some worthy student struggling for an education.

#### MONITORSHIPS, ETC.

There are also opportunities for students in need of aid to render service to the College as monitors, by singing in the Chapel choir, etc.; in this way about fifteen hundred dollars is disbursed annually. Applications for monitorships should be made to the Registrar.

In general it may be said that the other means of self-help at the command of the students are sufficient to enable many of those who have spare time to provide for the larger part of their college expenses.

## LOAN LIBRARY

By the liberality of William L. Andrews, Esq., of New York City, and as a memorial of his son, Loring W. Andrews, of the class of 1883, a well furnished library has been established, containing text-books and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing books. Permission to use this library is obtained from the Bureau of Self-Help.

## GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

The DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller of New Haven, and named in memory of her brothers, the Rev. Sutherland Douglas (Y. C. 1821) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

The SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in special remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this Department of not more than three years' standing. He shall pursue non-professional studies, and may hold the fellowship for a period not exceeding five years. In selecting the incumbent, the President and Professors are to give preference to one who has shown special proficiency in Greek; and for the further prosecution of Greek study, the Fellow may spend a part or the whole of the time of his incumbency in Athens, in connection with the American School of Classical Studies, instead of in New Haven.

The SILLIMAN FELLOWSHIP, founded in memory of Professor Benjamin Silliman, Professor of Chemistry, Min-

eralogy, and Geology in Yale College from 1802 until his death in 1864, has an annual income of six hundred dollars, and is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the fellowship for more than three years.

The JOHN SLOANE FELLOWSHIP in Physics, established in 1889 by the gift of ten thousand dollars from John Sloane, Esq., of New York City, is awarded annually by the Faculty to a graduate of this Department who has shown marked proficiency in the study of Physics, and gives promise of success in the prosecution and application thereof. The incumbent shall reside in New Haven for at least thirty-six weeks in each academic year, pursuing a course of study in Physics and the related branches of science, and acting as an assistant in the Sloane Physical Laboratory ; he may be re-elected, but shall not hold the fellowship for more than three consecutive years.

The SCOTT HURTT FELLOWSHIP, with a foundation of twelve thousand dollars, was established in June, 1893, by Mrs. Sarah I. Hurtt, of New York City, in memory of her son, Burgess Scott Hurtt, of the class of 1878, Yale College. The incumbent must be a graduate of the Academical Department, of not more than four years' standing at the time of his first appointment, and may hold the fellowship for three years by annual re-election. In addition to a good moral character, the person appointed must have maintained a satisfactory standing in scholarship and must purpose to pursue a scholastic, professional, or scientific career, in which he gives promise of success. He shall, if required by the President and Professors, reside in New Haven for at least one year of his incumbency, during thirty-six weeks of the year, pursuing his studies there ; but with this exception may have the privilege of prosecuting his studies at any foreign University, or at the American School of Classical Studies in Athens, or at the American School of Classical Studies in Rome.

The BERKELEY SCHOLARSHIP, founded in 1733 by the Rev. George Berkeley, Dean of Derry and afterwards Bishop of Cloyne, Ireland, and yielding about seventy dollars a year, is awarded to the student in each Senior class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's *Iliad*, Cicero's *Tusculan Questions*, Tacitus (except the *Annals*), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

The CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, given for this purpose by Mr. Sheldon Clark, of Oxford, Connecticut, is awarded in each Senior class to the applicant who has attained the highest rank in the studies of the course; provided he remain in New Haven for one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

The BRISTED SCHOLARSHIP, founded in 1848 by Charles Astor Bristed (Yale College 1839), of New York City and yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation. This scholarship will be awarded in 1903, and the examination will be held on Monday, May 4. The classical papers will "include extracts from Homer, Cicero, Vergil, Horace, Catullus, and Lucretius, with critical questions on the passages set, and translation from English prose into Latin prose." The mathematical papers will "include three propositions of Euclid taken from the first four books and the sixth book."

The FOOTE SCHOLARSHIPS, founded in 1873 by a bequest of Harry W. Foote (Yale College 1866), of New Haven, and yielding five hundred dollars a year, are awarded

annually to graduates of this Department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate courses of the Department of Philosophy and the Arts.

The LARNED SCHOLARSHIPS, three in number, each having a fund of seven thousand dollars, were founded in 1877 by the bequest of Mrs. Irene Larned, of New Haven, and were augmented in 1888 by the bequest of Mrs. Urania B. Humphrey, of Norfolk, Connecticut. One scholarship is awarded in each Senior class; the incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

The ELLEN BATTELL ELDRIDGE SCHOLARSHIPS, two in number, each having the income of a fund of twelve thousand dollars, were established in 1894 by a bequest from Mrs. Azariah Eldridge, of Yarmouth, Massachusetts. The incumbents, who shall be graduates of this Department, selected by the President and Professors, must reside in New Haven, pursuing such a course of study as they may select and the Faculty approve. No scholar shall continue on the foundation for more than three years.

The MACY SCHOLARSHIP, being the income of a fund of ten thousand dollars, derived from a bequest of the Rev. William A. Macy (Yale College 1844), of Shanghai, China, who died in 1859, is awarded, whenever there may be a vacancy, to a recent graduate of distinguished scholarship, who may hold it for a term of three years. He shall reside in New Haven, pursuing a course of non-professional study, and shall at the close of each College year present a meritorious thesis in evidence of his work during the previous year.

The CUYLER FELLOWSHIP was established in 1900 by Thomas DeWitt Cuyler, Esq., of the class of 1874, Cornelius C. Cuyler, Esq., and Miss Eleanor de Graff Cuyler, in memory of their brother Theodore Cuyler, of the class of 1882. The income of a fund of ten thousand dollars is to be awarded each year to a graduate of the Academical



Department who is pursuing a course of study under the direction of the Faculty.

The JOHN ADDISON PORTER MEMORIAL FELLOWSHIP was established in 1901, by a gift of \$10,000 from Mrs. Josephine S. Porter, in memory of her husband, Professor John Addison Porter, of the class of 1842, and of her son, John Addison Porter, of the class of 1878. The incumbent shall be a graduate of the Academical Department or the Sheffield Scientific School of Yale University, selected for distinguished excellence and promise in the department of English. The fellowship may be held for three years, and the incumbent is allowed to pursue studies under the direction of the Professors in the Department of Philosophy and the Arts, "in the English language and literature and cognate subjects", either at New Haven or elsewhere.

#### UNDERGRADUATE SCHOLARSHIPS

The DEFOREST SCHOLARSHIPS were established in 1823 by David C. DeForest, of New Haven. By the terms of this gift, the fund for which became available in 1852, one thousand dollars are annually appropriated for "the education and support at Yale College, or the University which may grow out of it, of the male descendants of Mehitable Lockwood," the mother of the donor. In default of such descendants the same sum shall be applied to the education of others of the family of DeForest.

The WOOLSEY SCHOLARSHIPS, each having the income of a fund of one thousand dollars, the gift of President Woolsey, in 1846-48, are awarded in successive years, one to the student in each Freshman class who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of problems in the mathematical subjects required previous to Easter of Freshman year. The successful candidate receives the annuity during the four years of his college course, provided he main-

tains a good standing in character and scholarship, and in Sophomore or Junior year makes himself acquainted with the Differential and Integral Calculus. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars (established by Henry A. Hurlbut of New York City, in 1858-59); and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount, given by Charles M. Runk, Esq., of Allentown, Pennsylvania, in 1864.

The W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, bequeathed in 1867 by William Wheeler DeForest of New York City, is awarded to a student in each Senior class who has attained distinction in the study of French while in college, provided he pursue for the year after graduation a further course of study in the modern languages, especially French, Spanish, Portuguese, or Italian, under the direction of the Faculty.

The SCOTT HURTT SCHOLARSHIP was established in 1889 in memory of Burgess Scott Hurtt, of the class of 1878, Yale College, by his classmates and friends. The income of a fund of five thousand dollars is assigned in June of each year to a member of the Sophomore class, who is selected by the Faculty on the ground of approved scholarship; one half of the income will be paid to the incumbent during his Junior year, and one half during his Senior year, provided he continues to be in need of this assistance.

The THOMAS GLASBY WATERMAN FUND, of forty thousand dollars, was received in 1890 from the estate of Thomas G. Waterman (Yale College 1886). The income is given to not more than three scholars, of manly character and limited means, who have distinguished themselves in their studies and give promise of achieving distinction in the line of work which they have chosen; the incumbents are elected annually by the Faculty from the Senior or Junior class, or from graduates of the Department of not more than two years' standing.

The ALFRED BARNES PALMER SCHOLARSHIP FUND, of five thousand dollars, was given in 1892, by the Rev. Charles Ray Palmer, D.D., in memory of his son, Alfred Barnes Palmer, of the class of 1892, Yale College. The annual income is paid, during his college course, to a student in avowed need of beneficiary aid, of unexceptionable character, and of high rank in scholarship.

The DANIEL LORD, JUNIOR, MEMORIAL FUND, of five thousand dollars, was established in 1894, by Daniel Lord, Esq., of New York City, in memory of his son, Daniel Lord, Junior, of the class of 1892. The annual income is given to a deserving and needy undergraduate student in this Department—preferably a member of the Senior class—who shall be selected by the Faculty.

The LEARNED SCHOLARSHIPS, two in number, each having the income of a fund of two thousand dollars, established in 1895 by the Hon. William L. Learned, LL.D., of the class of 1841, Yale College, are awarded whenever there is a vacancy at the close of Freshman year to students who have been markedly successful in their studies. The incumbents receive the income of the fund through the last three years of the college course.

The JOHN J. COX SCHOLARSHIP, established in 1898 by the gift of two thousand dollars from Mrs. John J. Cox, of Peekskill, N. Y., in memory of her son, John J. Cox, of the class of 1891, is awarded yearly to some needy and worthy student of high character selected by the Faculty.

The ROBERT CALLENDER SCHOLARSHIP was established in 1901 by a gift of six thousand dollars from W. R. Callender of the class of 1894 and J. A. Callender of the class of 1902, in memory of their brother, Robert Callender, of the class of 1898. The income is to be awarded annually by the Faculty to some needy undergraduate student in the College.

The JOHN BENNETTO SCHOLARSHIP FUND of five thousand dollars was established in 1902 by the class of 1887, in memory of their classmate, John Bennetto. One half of

the income is to be given each year to a student in Yale College who shall have two more years of study before graduation, and who may hold the scholarship during two years. The recipient must be a person of sound and strong character, marked ability, and high standing in the college world and in the estimation of his classmates. In judging of a candidate's qualifications, very high scholarship shall not be regarded as indispensable. Should any recipient of the income of this Fund return to the College the sum received, or any part thereof, the sum shall be added to the Fund.

The MAHLON LONG SCHOLARSHIP, established in 1902 by Rev. George Wells Ely, of Columbia, Penn., and yielding four hundred dollars a year, is to be open to undergraduate members either of the Academical or Scientific Departments, and is intended to be given yearly during the entire course to the same student, though the appointment or reappointment will be made each year.

#### PREMIUMS

The DEFOREST PRIZE, founded in 1823 by David C. DeForest, of New Haven, and consisting of a gold medal, of the value of one hundred dollars, is awarded "to that scholar of the Senior class who shall write and pronounce an English Oration in the best manner," the President and Professors being judges.

TOWNSEND PREMIUMS, five in number, of twelve dollars each, founded in 1843 by the gift of Isaac H. Townsend (Yale College 1822), of New Haven, are awarded in each Senior class for the best specimens of English Composition ; all compositions receiving premiums must be read in public.

The following are the subjects for the year 1903 :

1. Sir William Phips.
2. The United States in European Politics.
3. Tolstoi's Russians.
4. Virchow, Scientist and Statesman.

5. The Story of Orestes in Greek Tragedy.
6. Brook Farm.
7. The Western Yankee.
8. Japan among the Nations.
9. The Religious Stimulus of Dante.
10. Froissart.
11. The Moriscos.
12. 1848.
13. The Pan-Germanic Idea.
14. Mormonism.
15. Party Control in Municipal Government.
16. The Italianate Englishman.

Within the limits of reasonable implication these subjects may be divided or adapted. Essays in competition are due at 15 White Hall, on Saturday, May 16, at noon. They should be written for effective oral delivery in about fifteen minutes. Attached to each essay should be a sealed envelope containing the writer's name.

The DEFOREST MATHEMATICAL PRIZES were established by the late Dr. John DeForest (Yale College 1826), and were augmented by his son, the late E. L. DeForest (Yale College 1854), of Watertown, Connecticut. A first prize of one hundred dollars, and three second prizes of fifty dollars each, are offered to the Senior class for worthy solutions of problems in pure and applied Mathematics.

WINTHROP PRIZES, the income of a fund of five thousand dollars given in 1871 by Buchanan Winthrop, Esq. (Yale College 1862), of New York City, are annually offered to the Junior class "for the most thorough acquaintance with the Greek and Latin poets," particular attention being paid to elegance of scholarship and appreciation of the spirit of the poetry, as shown at an examination in May. The first prize is two hundred dollars, and the second prize is the balance of the income for the year.

The subjects for examination for the class of 1904 are as follows: in Latin, the poems of Horace; in Greek, the first six books of Homer's *Iliad*, the *Seven against Thebes* of Aeschylus, the *Antigone* of Sophocles, and the *Medea* of Euripides.

The HENRY JAMES TENEYCK PRIZES, the income of a fund of twenty-six hundred dollars, established in 1888 by the Kingsley Trust Association in memory of Henry James TenEyck (Yale College 1879), are awarded to the successful competitors at the Junior Exhibition, in the second term of each year. The following are the subjects for the year 1903 :

1. The United States and South America.
2. Bret Harte.
3. Spanish California.
4. The Afrikanders.
5. Richard Lion-Heart.
6. Eighteenth Century Coffee Houses.
7. The Irish American.
8. Hayti.
9. Gulliver.
10. The American Workman.
11. Whitfield.
12. *La Marseillaise*.
13. George Borrow.
14. The Earl of Essex.
15. American Privateers.
16. Horace Bushnell.

Within the limits of reasonable implication these subjects may be divided or adapted. Essays in competition are due at 15 White Hall on Wednesday, February 25, at noon. They should be written for effective oral delivery in about twelve minutes. Attached to each essay should be a sealed envelope containing the writer's name.

The C. WYLLYS BETTS PRIZE, established in 1890 by the Phelps Association, being the income of a fund of one thousand dollars given by L. F. H. Betts, Esq. (Yale College 1891), in memory of his uncle, the late C. Wyllys Betts, Esq., of New York City, a graduate of Yale College in the class of 1867, is offered to the Sophomore class for excellence in English Composition. The prize is awarded annually to that member of the class who shall have exhibited the most meritorious work in the required compositions of the year and in a special essay on a prescribed subject.

The subject prescribed for the Class of 1905 is *The Prose of James Russell Lowell*. Competitors may make their own selections for discussion; but the following pieces are recommended:

On a Certain Condescension in Foreigners.

My Garden Acquaintance.

Spenser.

Democracy.

Gray.

The Study of Modern Languages.

Essays in competition are due at 15 White Hall on Wednesday, May 20, 1903, at noon.

The McLAUGHLIN MEMORIAL FUND, consisting of one thousand dollars, founded in 1893 as a memorial of Edward Tompkins McLaughlin (Yale College 1883), late Professor of Rhetoric and Belles Lettres, is devoted to the encouragement of English Composition in the Freshman class. From the income of this fund a first and second prize, in books, are offered during the current year.

The WINSTON TROWBRIDGE TOWNSEND PRIZES, given by Judge William K. Townsend, in memory of his son, a member of the class of 1901, are annually awarded for excellence in English Composition in the Freshman class.

The McLAUGHLIN PRIZES and the WINSTON TROWBRIDGE TOWNSEND PRIZES will be awarded in 1903 for the best essays on any of the following topics:

1. The Roman Plays of Shakespeare.
2. Plato's Socrates.
3. English Elegies.

Essays in competition are due at 15 White Hall on Saturday, April 4, at noon. Attached to each essay should be a sealed envelope containing the writer's name.

The JOHN HUBBARD CURTIS PRIZE, being the income of a fund of two thousand five hundred dollars given in 1900 by Mrs. Virginia H. Curtis, in memory of her son, John Hubbard Curtis, of the class of 1887, is to be awarded each year to that student in the Academical Department

who shows the highest excellence in literary or rhetorical work upon assigned subjects. For the year 1902-1903 competitors may select any one of the following nineteen topics :

- I. A dialogue on the model of Landor's Imaginary Conversations between
  1. Queen Elizabeth and the Earl of Essex.
  2. Dr. Donne and William Drummond of Hawthornden.
  3. The Earl of Strafford and Lord Falkland.
  4. Bishop Berkeley and Sir Robert Walpole.
  5. Addison and Boileau.
  6. Samuel Johnson and Thomas Gray.
  7. Coleridge and Washington Allston.
  8. R. L. Stevenson and Henry James.
- II. An Imitation of
  1. A Chapter of Walton's Complete Angler.
  2. A Spectator Paper.
  3. An Essay of Elia.
- III. Passages from a supposed Journal or Autobiography
  1. By Sir Henry Vane the younger, while Governor of Massachusetts.
  2. By Samuel Pepys, during the year 1688.
  3. By Aaron Burr, covering the duel with Hamilton.
  4. By a French officer present at the Retreat from Moscow.
- IV. Description by an Eye-Witness, in a Letter to a Friend, of
  1. An Indian Massacre.
  2. A Forest Fire.
  3. A Cyclone.
  4. A Wreck of an Ocean Steamer.

Pieces must be handed, on or before May 1, 1903, to Professor Beers or to Professor Phelps, or be left at 70 South Middle.

COLLEGE PREMIUMS are given each year in the Sophomore class for Declamation.

The THACHER MEMORIAL FUND, of three thousand dollars, founded in 1892, by gifts from the class of 1842, and named in honor of their former instructor, Professor Thomas A. Thacher, is devoted to the encouragement of the practice of extemporaneous debate. One hundred and fifty dollars of the income will be offered in prizes for this object during the current year.



The JOHN ADDISON PORTER PRIZE IN AMERICAN HISTORY, founded by Amy Betts Porter in memory of her husband, the late John Addison Porter, of the class of 1878, and consisting of the income of two thousand dollars, will be awarded for the year 1902-1903 for the best original Essay by a member of the Senior or Junior class of the Academic Department on one of the following subjects:

The Domestic Slave Trade in the United States 1808-1861.

The Webster-Ashburton Treaty.

President Grant's Project for the Annexation of San Domingo.

A History of "Filibustering" in Congress.

A History of the Ku Klux.

A History of the Career of John C. Frémont.

The essays should be prefixed by a classified bibliography of the authorities consulted, and precise references in foot-notes to these authorities should be given for all important statements made in the text.

Each essay must be typewritten, signed by a fictitious name, and handed in under cover accompanied by a sealed envelope containing the assumed name and the real name of the writer. The essays must be deposited with the Secretary of the University not later than February 25, 1903.

SCOTT PRIZES for excellence in German and in French are offered to the Junior class; these are of the value of thirty dollars each, and are given in books. The prizes were founded by the bequest of Henry W. Scott (Yale College 1863), of Philadelphia, who died in 1871.

In the year 1902-1903, and thereafter until further notice, the Scott Prize in German will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Lessing's *Nathan der Weise*; Goethe's *Egmont*, *Iphigenie auf Tauris*; Schiller's *Wallenstein-Trilogie*; H. von Kleist's *Kätchen von Heilbronn*, *Prinz Friedrich von Homburg*. Students may at any time apply to Professor Palmer for information in detail.

In the year 1902-1903, the Scott Prize in French will be awarded to that member of the Junior class who shall pass the best examination (to be held during the latter half of the second term) in the following dramas: Corneille's *Horace*, *Le Cid*; Racine's *Andromaque*, *Athalie*; Molière's *Le Misanthrope*, *Tartuffe*; Beaumarchais' *Le Barbier de Séville*; V. Hugo's *Ruy Blas*. Students may at any time apply to Professor Sanderson for information in detail.

The LUCIUS F. ROBINSON LATIN PRIZES, from the income of a fund of five thousand dollars given in 1887 by the daughters of the late Lucius F. Robinson (Yale College 1843), of Hartford, will be awarded the present year to students showing special proficiency in Latin:—one series of prizes (of fifty, thirty, and twenty dollars, respectively) being open to members of the Senior and Junior classes who have taken two hours per week in Latin electives; and a second series, of the same amounts, to members of the Sophomore class who have elected Latin.

The awards will be based on the regular class-room work in Latin for the entire year, and on a special written examination, to be held early in June, 1903, on translation at sight and on Cicero's Second Philippic and his speech for Archias.

BERKELEY PREMIUMS for excellence in Latin Composition are offered to the Freshman class near the end of each College year, from the surplus income of the Berkeley Scholarship Fund.

The BENJAMIN F. BARGE MATHEMATICAL PRIZES, amounting to two hundred dollars, are given annually from funds provided by Benjamin F. Barge, Esq., of the class of 1857. The prizes are awarded in both Freshman and Sophomore classes and consist in each class of a first prize of fifty dollars, a second of thirty dollars, and a third of twenty dollars. The prizes are awarded, in general, for the solution of original problems.

The HUGH CHAMBERLAIN GREEK PRIZE, being the income of one thousand dollars given for this purpose, in 1886, by the Hon. Daniel H. Chamberlain (Yale College 1862), is awarded annually to that member of the Freshman class who has passed the best examination in the Greek required for admission to College. Candidates for this prize will be required to pass the whole examination in Greek in June of the year of their entrance into College, even though they may have been accepted already in some or all of the Greek subjects in a previous year.

The SAMUEL HENRY GALPIN LATIN PRIZE, being the income of one thousand dollars given for this purpose, in 1901, by Samuel Arthur Galpin, LL.B., in memory of his father, Samuel Henry Galpin, of the class of 1835, is to be awarded annually to that member of the Freshman class who passes the best examination in the Latin required for admission to the College. Candidates for this prize must pass the whole examination in Latin in June of the year of their entrance into College, even though they may have passed on some or all of the Latin subjects in a previous year.

# SHEFFIELD SCIENTIFIC SCHOOL

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## OBJECTS

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning. Instruction is also given in French, German, Spanish, English, History, Social Science, Political Economy, and Political Science. The Sheffield Scientific School is one of the departments of the University, like the law, medical, theological, and art schools, having its separate funds, buildings, teachers, and regulations, but governed by the Corporation of Yale University, which appoints the professors and confers the degrees. It is, in part, analogous to the academical department, or college, and, in part, to the professional schools.

The instruction is intended for two classes of students:—

I.—Graduates of this and other universities or colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in less part linguistic and literary, for higher scientific studies, or for various other occupations to which such training is suited.

## HISTORY AND ORGANIZATION

The School was commenced in 1847. In 1860, a convenient building and a considerable endowment were given by Joseph E. Sheffield, Esq., of New Haven, whose name, at the repeated request of the Corporation of Yale College, was subsequently attached to the foundation. Mr. Sheffield afterwards frequently and munificently increased his original gifts.



In 1863, by an act of the Connecticut Legislature, the national grant for the promotion of scientific education (under the congressional enactment of July, 1862) was given to this department of Yale University, which thus became the College of Agriculture and the Mechanic Arts for Connecticut. By an act of the State Legislature in 1892 this was revoked and the special relations of the School to the State created by the act of, 1863 were terminated.

In 1871, at the request of Mr. Sheffield, certain of the professors in the Sheffield Scientific School and other friends of the institution organized themselves into a body corporate, under the laws of the State of Connecticut, with the following articles of incorporation :

**KNOW ALL MEN BY THESE PRESENTS:** That we, the undersigned, George J. Brush, Daniel C. Gilman, William P. Trowbridge, and John S. Beach, all of the city and county of New Haven, in the state of Connecticut, William Walter Phelps, of the city, county and state of New York, and Charles J. Sheffield, of the city of Cleveland, in the county of Cuyahoga, and state of Ohio, do hereby associate ourselves under the provisions of the statute laws of the state of Connecticut as a body politic and corporate for scientific purposes, and the following are our articles of association ; to wit :

**ARTICLE 1.** The name of said corporation shall be **THE BOARD OF TRUSTEES OF THE SHEFFIELD SCIENTIFIC SCHOOL.**

**ARTICLE 2.** The object and purpose of said corporation is to promote the study of physical, natural and mathematical sciences in the college or school of science known as the Sheffield Scientific School, located at said city of New Haven.

**ARTICLE 3.** The property and affairs of said corporation shall be managed and conducted by a board of nine directors,—of whom by virtue of their respective official positions there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College and the Chairman of the Trustees of the Peabody Museum of Natural History in Yale College ; and the other six directors shall be the above named associates who shall hold said office until others are chosen in their stead ; and whenever a vacancy shall arise from any cause among said six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be pro-

fessors in the said Sheffield Scientific School, and the other elected directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

Dated at New Haven, Connecticut, Feb. 8, 1871.

This incorporation of the Board of Trustees of the Sheffield Scientific School was confirmed by Act of the General Assembly in 1882.

### ACT OF INCORPORATION

*Resolved by this Assembly :*

SECTION 1. That the Board of Trustees of the Sheffield Scientific School shall be and remain a body politic and corporate under the provisions herein contained, and shall have the right to and enjoy all the rights, powers, and privileges herein granted, and shall own and possess all the estate and assets now vested in said corporation, or that may hereafter accrue to it as devisee or legatee, to the same extent in all respects as if said corporation had been originally organized under a charter containing the provisions of this act.

SEC. 2. The object and purpose of said corporation is, and shall continue to be, to promote the study of physical, natural, and mathematical sciences, in the college or school of science known as the Sheffield Scientific School, located at the city of New Haven, and to that end the said corporation may do all acts necessary and proper for the well ordering of its affairs, and may receive, hold, or convey any estate, real or personal, that may be conveyed to it, or that it now possesses, and said property, while so used for the promotion of science, shall be free from taxation.

SEC. 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors, of whom, by virtue of their respective official positions, there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College, and the Chairman of the Trustees of the Peabody Museum of Natural History in Yale College, and whenever a vacancy shall arise from any cause among the other six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be persons who are or who have been professors in the said Sheffield Scientific School, and the other elected directors shall be persons

especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

SEC. 4. The present officers of said corporation shall continue in their offices respectively until others shall be chosen under the provisions of this act.

SEC. 5. A majority of said directors, who are resident in New Haven, when met shall constitute a quorum.

SEC. 6. The directors, for the time being, shall have power to fill any vacancy which may happen in their board by death, resignation, or otherwise ; they may appoint and employ such officers as they may deem necessary or desirable to effectuate the purpose and object above mentioned, and may make such by-laws and rules and regulations for the government and management of the affairs of said corporation as they deem reasonable and necessary : provided the same be not inconsistent with the laws of this state or of the United States, and the present by-laws of said corporation shall remain in force until they be altered or amended.

In addition to the bequests made by Mr. Sheffield, numerous liberal gifts have been received from the citizens of New Haven, and from others in Connecticut and elsewhere, for the endowment of the School and the increase of its buildings and collections, by which the facilities of the institution have been greatly enlarged.

The Governing Board consists of the President of the University and the professors who are permanently attached to the School. There are many other instructors associated with them, some of whom are connected with other departments of the University.

#### INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have completed undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the natural and physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or in two additional years of

Engineering study that of CIVIL ENGINEER or that of MECHANICAL ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of MASTER OF SCIENCE or DOCTOR OF PHILOSOPHY. The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments of the University.

The degree of MASTER OF SCIENCE is conferred upon graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science, and who have pursued successfully a higher course of study in science under the direction of the Governing Board. Such a course will involve at least one year of resident graduate study, followed by an examination and the presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed (consisting for the present year of Professors Chittenden and Richards) to whom all candidates for this degree must submit their proposed courses of study for approval before the end of October of each year. The fee for graduation is ten dollars.

The degree of DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another university may take the place of a year's residence here. Whenever the course of undergraduate study has been less than four years, three years of graduate work will be required. The thesis must be deposited at the Library for public inspection not later than May 1. A good knowledge of Latin, German, and

French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished at least two years before the degree is given. The fee for graduation is ten dollars.

A detailed statement of the graduate instruction of the University, including about 370 courses, is printed in a separate pamphlet, and may be had on application to the Secretary of the University. The principal courses offered in the Sheffield Scientific School are given by the following instructors :

Professor BREWER, in Meteorology, Forest Physiography, and Physical Geography as related to History.

Professor RICHARDS, in Mechanical Engineering.

Professors LOUNSBURY and CROSS, in English Literature.

Professor VERRILL, in Zoology.

Professor S. I. SMITH and Assistant Professor COE, in General Biology, Comparative Anatomy, Embryology and Cytology.

Professor DuBois, in Civil Engineering.

Professor HASTINGS and Assistant Professor BUMSTEAD, in selected subjects in Physics, and guidance in laboratory work.

Professor FARNAM, in Applied Economics.

Professor CHITTENDEN and Assistant Professor MENDEL, in Physiological Chemistry, Physiology, and Experimental Toxicology.

Professor WELLS, in Analytical Chemistry, Inorganic Chemistry, and Metallurgy.

Professor MIXTER, in Chemical Physics.

Professor PENFIELD, in Mineralogy and Crystallography.

Professor PIRSSON, in Physical Geology and Petrology.

Professor BEECHER, in Invertebrate Paleontology.

Professor CORWIN, in Old High German.

Professor P. F. SMITH, in Higher Analysis and Advanced Analytical Geometry.

Assistant Professor EVANS, in Structural and Systematic Botany with special reference to the Microscopic Anatomy of Phanerogamous and Cryptogamous Plants.

Assistant Professor BARNEY, in Municipal and Sanitary Engineering.

Mr. COMSTOCK and Assistant Professor H. L. WHEELER, in Organic Chemistry.

Dr. FOOTE, in Physico-Chemical measurements and Electro-Chemistry.

Mr. WINTON, in Proximate Organic Analysis, with special reference to the detection of adulteration in animal and vegetable food-products.

Dr. GRANVILLE, in Analytical Mechanics.

Dr. GLASCOCK, in German.

Mr. CLARKE, in the Phonetics of Modern French.

Mr. LEARNED, in History.

Dr. HEDRICK, in Partial Differential Equations.

Dr. RETTGER, in Bacteriology and Hygiene.

Dr. DEAN, in Plant Physiology.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree

Students who have taken the degree of Bachelor of Philosophy, may obtain the degree of CIVIL or of MECHANICAL ENGINEER at the end of two academical years, by pursuing the following higher courses of study and professional training.

The course of study for the degree of CIVIL ENGINEER will comprise—

1. Higher Analysis and Theory of Least Squares, 2 hours both terms ;  
Analytical Mechanics and Theory of Elasticity, 3 hours both terms, or the equivalent of these courses.
2. Mechanics applied to Engineering.
3. Practical Astronomy, with use of instruments, computations, etc.
4. Construction and Design.
5. Selected subjects in Civil Engineering.
6. Preparation of Theses on special subjects in Engineering.

The course will occupy two years. During the second year candidates may, with the consent of the Professor of Civil Engineering, engage in professional practice.

To secure the requisite amount of professional knowledge and practice, the candidate will be required to furnish a comprehensive report of the results of an examination into the existing condition of some special line of constructive art ; or to present proper evidence that he has had actual charge in the field, for several months, of construction or surveying parties, or held some responsible position deemed equivalent to this.

A design must also be submitted of some projected work, based upon data obtained by the candidate, and comprising all the requisite calculations, and the necessary detailed drawings, accompanied by specifications.

The fee for graduation is five dollars.

The course of study for the degree of **MECHANICAL ENGINEER** will comprise—

1. Higher Analysis and Theory of Least Squares, 2 hours both terms ;  
Analytical Mechanics and Theory of Elasticity, 3 hours both terms, or the equivalent of these courses.
2. General Principles of Dynamics, including special application of these principles to dynamic problems.
3. Construction of Machines. Designs.
4. Preparation of Theses on special subjects in Mechanical Engineering.

During the second year, candidates will be permitted to employ such portion of their time as may be deemed advisable or necessary in the examination of engineering works and manufacturing establishments, and may also have the privilege of entering upon professional practice, provided it is done with the knowledge and consent of the Professor of Mechanical Engineering, and under such circumstances as shall appear to him to be favorable to professional progress.

An elaborate thesis on some professional subject, with an original design, or project, accompanied by proper working drawings, will be required at the end of the second year.

The fee for graduation is five dollars.

**SPECIAL STUDENTS**—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School ; not, however, in the Select Course, nor in the Freshman class.

It should be distinctly understood, however, that these opportunities are designed especially to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

#### TERMS OF ADMISSION

No one is admitted to the Freshman class who is less than sixteen years of age. Satisfactory testimonials of good moral character from the last instructor or other responsible person, are in all cases required before a certificate of admission in full is granted.

All candidates for admission to the Freshman class are examined in the following subjects :

1. *English Grammar*—Whitney's *Essentials of English Grammar*, or an equivalent.
2. *English Literature A*.

**READING AND PRACTICE**—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be :—

For the classes entering in 1903, 1904, and 1905 : Shakespeare's *Merchant of Venice* and *Julius Caesar* ; The Sir Roger de Coverley Papers in



*The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Carlyle's *Essay on Burns* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

For the classes entering in 1906, 1907 and 1908 : Shakespeare's *Macbeth* and *Merchant of Venice* ; The Sir Roger de Coverley Papers in *The Spectator* ; Irving's *Life of Goldsmith* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* and *Lady of the Lake* ; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

### 3. *English Literature B.*

STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be :—

In 1903, 1904, and 1905 : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907, 1908 : Shakespeare's *Julius Caesar* ; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Milton*, and *Life of Johnson*.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs.

### 4. *History of England*—Coman and Kendall's *A History of England*, or an equivalent.

The student should, of course, have some acquaintance with the leading facts of English history from the landing of Julius Caesar (55 B. C.) down to the conclusion of Beaconsfield's ministry (1880). Rather special attention should be given to incidents only from the Norman Conquest onwards. It is recommended that, so far as preparation will allow, the student be directed to the importance not only of the development of English government, but of English industry, and English literature. No preparation adequate for the entrance examination can be made without written practice in statement. A mere

reading acquaintance with the story of English history is not sufficient ; the student must be helped to reason with the subject and to base his reasoning on precise statements of the facts.

In view of the importance of a knowledge of the History of England as a preparation for the study of English in Freshman year, no substitution can be allowed for this requirement.

5. *History of the United States or Roman History or Greek History.*

In *History of the United States*, a thorough acquaintance with some one of the more recent and accurate text-books (such as Johnston's *History of the United States*, revised edition, Montgomery's *Students' American History*, Channing's *Students' History of the United States* or McLaughlin's *History of the American Nation*) is expected.

The examination is not designed as a memory test merely, but will call for comparison, the exercise of judgment, and will be framed on the supposition that the student has done systematic note-book work and has an adequate knowledge of historical geography. For the purpose of arousing interest in the subject, it is strongly recommended that the student be urged to follow, under his teacher's guidance, a course of supplementary reading, so arranged as to cover the more important periods and events, and to call attention to social development, constitutional growth, and the principles of government.

The examination in *Greek History* will cover the period to the death of Alexander (323 B. C.). In *Roman History* the student should be particularly familiar with the Roman Republic (509 B. C. to the death of Julius Caesar), though he will be held responsible for some knowledge of the development of the Empire to the death of Augustus (14 A. D.). In neither Greek nor Roman history should the importance of historical geography be overlooked. Myer's *Rome : its Rise and Fall* and Myer's *A History of Greece* or Dr. George Willis Botsford's *History of Greece* and his *History of Rome* are named as text-books covering the ground.

6. *Latin Grammar and Composition*—The examination in Latin Grammar will be based on connected passages taken from the first and second books of Caesar's *Gallic War*. The exercises set for translation from English into Latin will involve the vocabulary and idiom of these two books.

7. *Caesar or Nepos*—The first four books of Caesar's *Gallic War*.

The first twelve of Nepos' *Lives*, as they appear in the Teubner edition, will be accepted as an equivalent for the third and

fourth books of Caesar. For the first and second books of Caesar no equivalent will be accepted.

8. *Vergil* or *Cicero*—The first three books of the *Aeneid*. This requirement involves an ability to scan Latin hexameters.

Cicero's orations against Catiline and for Archias may be offered in place of Vergil.

In order to allow the preparatory schools still further freedom in arranging their courses of work, examination papers will be prepared on other equivalents of the texts mentioned above, provided application be made to the Registrar of the Sheffield Scientific School for such a paper before May 1.

9. *German* or *French*—Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such a knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite, as well as a knowledge of the principles of pronunciation.
10. *Algebra A, Elementary (through Quadratics)*—Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown quantities, problems which lead to equations of the first degree, inequalities, powers and roots, fractional and negative exponents, reduction of radicals, binomial formula for a positive integral exponent, quadratic equations in one or two unknown quantities, equations solved like quadratics, problems which lead to quadratic equations, ratio, proportion and variation.
11. *Algebra B, Advanced*—Properties of quadratic equations, arithmetical and geometrical progressions, permutations and combinations, principles of logarithms with applications, partial fractions, solution of numerical equations of higher degree, and so much of the theory of equations as is necessary for this purpose (omitting multiple roots and Sturm's theorem), including graphical representation of functions of one variable and approximation to incommensurable roots.

A syllabus of the requirement in Advanced Algebra may be obtained from the Treasurer of the Sheffield Scientific School, New Haven, Conn., on payment of ten cents.

It is expected that candidates presenting themselves in Algebra will have covered all the subjects above specified.

The examination, however, is especially designed to test the *thoroughness* of the candidate's training and preparation. Those questions, therefore, whose solution involves only the fundamental operations must be worked out rapidly and accurately.

Much time should be devoted to the statement and solution of problems, and the student should be taught the importance of the interpretation and verification of his results.

[Candidates who have passed Algebra A under the requirements of 1902 will be allowed to offer Algebra B on the basis of the old requirements, viz., Quadratic equations in one or two unknown quantities, equations solved like quadratics, problems which lead to quadratic equations, ratio and proportion, variation, arithmetical and geometrical progressions, permutations and combinations, undetermined coefficients, convergency of series, continued fractions, theory of logarithms with application to problems in compound interest, etc.]

12. *Plane Geometry*—Demonstration of the theorems and constructions contained in any standard text, and solution of original propositions and problems.

The examination in this subject will test not only the candidate's acquaintance with the theorems of any standard text, but also his ability to solve original exercises and problems. Two hours will be allowed for the examination, and it is expected that aptitude will be shown in attacking questions of reasonable difficulty. As much time as possible should be devoted in the student's preparation to originals. The pupil should learn therefore that knowledge of Geometry means not merely familiarity with propositions proven in the text, but rather the possession of keenness and readiness in space perception as well as the power to reason logically and deductively.

13. *Solid and Spherical Geometry*—The usual text demonstrations, including the relations of planes and lines in space, the properties and mensuration of prisms, pyramids, cylinders and cones, the sphere and spherical triangle.

In selecting a text-book in Geometry, it is especially important that one be chosen which encourages and develops independent thought and work on the part of the student, and which does not reduce the study of the science to an exercise in memorizing. Knowledge of propositions and constructions is not the only aim of geometric instruction, but training in logical thinking and deductive reasoning as well. The student should acquire power in applying the methods which he has been taught to the solution

of original exercises and problems. The examination is intended to test the power of the candidate in this respect, and also his acquaintance with the text.

14. *Plane Trigonometry*—Fundamental definitions, properties, and analytical theory of the trigonometric functions, with the usual formulæ; applications to the solution of simple problems, and, in particular, to the solution of plane oblique triangles.

Preparation in Trigonometry should include exercises in applying the formulæ to a variety of reductions and transformations, and the solution of trigonometrical equations. Of fundamental importance is a thorough drill in the reduction of functions of any angle to functions of an acute angle. A proper course must also include the solution of plane oblique triangles by logarithmic calculation.

- 14a. *Use of Logarithms*—Solution of problems from given numerical data and formulæ. Accuracy in results and neatness in arrangement of the computation are insisted upon. Candidates will be furnished with four-place tables.

Copies of these tables may be obtained from the publishers, Henry Holt & Company, New York City.

15. *Botany or Chemistry or Physics*—In *Botany* the requirements will include a knowledge of the structure and of the principles of classification of flowering plants, together with matters pertaining to fertilization and the dissemination of seeds. Leavitt's *Outlines of Botany*, or Bergen's *Foundations of Botany*, is recommended as a suitable aid in preparing for the examination. It is desirable that the candidate should have had some experience in the analysis of common flowering plants.

In *Chemistry*, the requirement will involve (a) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include ability to sketch the apparatus used in the laboratory experiments, and to describe the phenomena observed. (b) Ability to write equations of simple reactions and to make calculations of the quantities involved in them, atomic weights being supplied. (c) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

Students properly qualified may pass an examination on the general chemistry of Freshman year, the part on theory excepted. Such students will have a course in qualitative analysis during Freshman year, and also work in theoretical chemistry.

In *Physics* the examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity, and his knowledge of the simpler laws governing these phenomena. If his course of instruction has involved work in the laboratory, a portion of the paper will be given to the methods of the laboratory as exemplified in some leading experiments.

Candidates are allowed to divide the examination between two *successive* years. For the first or preliminary examination the candidate may present himself at any regular examination in either June or September and may offer any five or more of the above mentioned subjects. At the preliminary examination, each candidate must submit a definite statement from his principal instructor regarding the subjects which he is authorized to offer. A certificate of preliminary examination will not be granted unless at least five subjects have been satisfactorily passed.

A candidate who has been rejected in June may try the whole examination again in September of the same year; but a preliminary certificate given in June cannot be used in the following September examination.

The REGULAR EXAMINATION FOR ADMISSION in 1903 will be held in New Haven at North Sheffield Hall, on Thursday, Friday, and Saturday, June 25, 26, and 27, beginning at 9 A. M. on Thursday. *Attendance is required at the opening of the examination, at 9 A. M. on Thursday.*

In 1903, examinations (for the Freshman class only) will also be held at the places mentioned on pages 70-71.

Candidates who propose to present themselves for examination elsewhere than in New Haven are requested to send their names to the Registrar of the School, before June 1. A fee of five dollars, payable at the place of examination, will be charged for admission to the examinations outside of New Haven.

A second examination will be held, in New Haven, at the beginning of the college year, on Monday, Tuesday, and

Wednesday, September 21, 22, and 23, 1903. Candidates for this examination must be present at North Sheffield Hall at 2 P. M. on Monday.

ORDER OF EXAMINATIONS IN JUNE, 1903

*Thursday, June 25*

MORNING

[Session begins at 9.00 A. M.]

Latin Grammar and Composition, . . . . .	9.40—10.40
Caesar, . . . . .	10.45—11.30
Vergil, . . . . .	11.35—12.30

AFTERNOON

Botany or Chemistry or Physics, . . . . .	2.00— 3.00
German or French, . . . . .	3.00— 4.00
Plane Geometry, . . . . .	4.00— 6.00

*Friday, June 26*

MORNING

Solid and Spherical Geometry, . . . . .	9.00—10.30
English Grammar, . . . . .	10.35—11.05
English Literature A, . . . . .	11.05—11.55
English Literature B, . . . . .	12.00— 1.00

AFTERNOON

Algebra A, Elementary, . . . . .	3.00— 4.25
Algebra B, Advanced, . . . . .	4.30— 6.00 .

*Saturday, June 27*

History of the United States, . . . . .	9.00— 9.45
History of England, . . . . .	9.50—10.35
Trigonometry, . . . . .	10.40—12.10
Logarithms, . . . . .	12.15— 1.00

## ORDER OF EXAMINATIONS IN SEPTEMBER, 1903

*Monday, September 21*

[Session begins at 2.00 P. M.]

Latin Grammar and Composition, . . . . .	2.30— 3.30
Caesar, . . . . .	3.35— 4.25
Vergil, . . . . .	4.30— 5.30

*Tuesday, September 22*

## MORNING

Botany or Chemistry or Physics, . . . . .	9.00—10.00
German or French, . . . . .	10.05—11.05
Plane Geometry, . . . . .	11.10— 1.10

## AFTERNOON

Solid and Spherical Geometry, . . . . .	2.35— 4.05
English Literature A, . . . . .	4.10— 5.00
English Literature B, . . . . .	5.00— 6.00

*Wednesday, September 23*

## MORNING

English Grammar, . . . . .	9.00— 9.30
Algebra A, Elementary, . . . . .	9.35—11.00
Algebra B, Advanced, . . . . .	11.05—12.35

## AFTERNOON

History of the United States, . . . . .	2.00— 2.45
History of England, . . . . .	2.50— 3.35
Trigonometry and Logarithms, . . . . .	3.40— 6.00

In general, examinations for admission to the incoming Freshman class can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

All candidates for advanced standing are examined in the subjects required for admission as well as in the studies already pursued by the class which they wish to enter. No one is admitted as a candidate for a degree later than the beginning of the Senior year.



## INSTRUCTION FOR UNDERGRADUATE STUDENTS

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The work of the first year is essentially the same for all students, and is a general preparation for the advanced and special work of the later courses. The instruction of this year has a general scientific basis of mathematics, chemistry and physics. In addition to these studies special attention is given to English and the modern languages. For the later years, the instruction is chiefly arranged in Special Courses. Modern languages are, however, studied by all students, irrespective of the special course which they may elect. Either French or German is offered as a requisite for admission by each student. The language taken in the entrance examinations is continued through Freshman and Junior years, while the other language is begun in Junior year and continued through Senior year.

The Courses of study most distinctly marked out are :

- (a.) In Chemistry ;
- (b.) In Chemistry preparatory to Metallurgy ;
- (c.) In Civil Engineering ;
- (d.) In Mechanical Engineering ;
- (e.) In Electrical Engineering ;
- (f.) In Municipal and Sanitary Engineering ;
- (g.) In Engineering preparatory to Mining ;
- (h.) In Natural History ;
- (i.) In Mineralogy and other studies preparatory to Geology ,
- (j.) In Biology preparatory to Medical studies ;
- (k.) In Select studies preparatory to other higher studies ;
- (l.) In Agriculture ;
- (m.) In studies preparatory to the study of Forestry.

The arrangement of studies is indicated in the annexed scheme. A fuller statement of the methods and character of the instruction will be found below, pp. 224 to 246. Unless otherwise specified, the number of hours given means hours per week.

**\*FRESHMAN YEAR: INTRODUCTORY TO ALL COURSES**

**FIRST TERM:**—*German or French*—3 hrs. *Mathematics*—Plane Analytical Geometry, 3 hrs. *Physics*—Recitations, 2 hrs. ; Experimental Lectures, 2 hrs. *Chemistry*—Recitations, 2 hrs. ; Lectures and Laboratory Practice, 3 hrs. *English*—Lounsbury's History of the English Language, 2 hrs. *Free-hand Drawing*—Practical lessons in the Art School, 3 hrs.

**SECOND TERM:**—*German or French, Physics and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued ; 3 hrs. first half of term ; *Analytic Geometry of Space or Calculus* ; 3 hrs. second half of term. *English*—Shakespeare, Byron, Tennyson, and Browning, 2 hrs. *Drawing*—Principles of Orthographic, Isometric, and Oblique Projection ; Intersection and Development of Surfaces ; Outlines of Shadows ; Shading and Tinting ; Elements of Perspective ; Examples of various applications of Instrumental Drawing ; 3 hrs.

On or before March 1st members of the Freshman class are required to make choice of the course of study they desire to pursue during Junior and Senior years, and at the opening of the Spring half-term the Freshman class is divided into two main groups.

**GROUP I.**—This group includes all students electing courses in Civil Engineering, Mechanical Engineering, Sanitary Engineering, Electrical Engineering, or studies preparatory to Mining.

**GROUP II.**—This group includes all students electing courses in Chemistry, Metallurgy, Biology preparatory to Medical Studies, Natural History, Mineralogy and other studies preparatory to Geology, Select studies preparatory to other higher studies, Agriculture, or studies preparatory to the Study of Forestry.

During the Spring half-term of Freshman year, students in Group I pursue in Mathematics the study of Analytic Geometry of Space, as a fitting preparation for the more advanced mathematical studies of the Engineering courses, while students in Group II pursue a course in Calculus

\* The Freshman class is divided, as soon as practicable, into several divisions according to scholarship, and an opportunity to make more rapid progress is thus given to the more proficient.

of an introductory and general nature designed to complete their general mathematical training.

For the Junior and Senior years, the students pursue one of the following Courses :

(a.) IN CHEMISTRY :

JUNIOR YEAR :

**FIRST TERM:**—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Recitations and Lectures, 4 hrs. ; Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Practice and Determinative Mineralogy, 4 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

**SECOND TERM:**—*Organic Chemistry*—Laboratory Practice, 15 hrs. for 4 weeks ; Lectures and Recitations, 2 hrs. *Quantitative Analysis* (Gravimetric)—Laboratory Practice after 4 weeks, 15 hrs. ; Recitations, 2 hrs. *Mineralogy*—Blowpipe Analysis and Determination of Species, 3 hrs. ; Lectures in Crystallography and Descriptive Mineralogy, 2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR :

**FIRST TERM:**—*Organic Chemistry*—Recitations and Lectures, 2 hrs. *General and Theoretical Chemistry*—Recitations, 3 hrs. *Quantitative Analysis* (Volumetric)—15 hrs. *Geology*—Recitations, 3 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM:**—*Physical Chemistry*—Recitations, 3 hrs. *Inorganic Preparations* followed by *Organic Preparations*—Laboratory Practice, 15 hrs. ; Recitations, 1 hr. [Optional : *Proximate Analysis of Vegetable and Animal Products*, *Physico-Chemical Measurements*, *Sanitary Water Analysis*—6 hrs. for part of term.] *Metallurgy*, *Assaying*, and *Gas Analysis*—3 hrs. *Geology*—3 hrs. *Mineralogy* (optional). *Elementary Petrology*—Lectures (optional) 1 hr. *French or German*—3 hrs.

(b.) IN CHEMISTRY PREPARATORY TO METALLURGY :

JUNIOR YEAR :

**FIRST TERM:**—*Surveying*—Field work, first 3 weeks in September. *Qualitative Chemical Analysis*—Laboratory work, 15 hrs. *Qualitative Analysis*—Lectures and Recitations, 4 hrs. *Determinative Mineralogy*—3 hrs. *Descriptive Geometry*—3 hrs. *French*—3 hrs. *German*—3 hrs. *English Composition*—1 hr.

**SECOND TERM :—***Quantitative Analysis* (Gravimetric)—Laboratory work, 15 hrs. *Quantitative Analysis*—Lectures, 2 hrs. *Determinative Mineralogy*—3 hrs. *Crystallography and Descriptive Mineralogy*—2 hrs. *Descriptive Geometry and Drawing*—3 hrs. *French*—3 hrs. *German*—3 hrs. *English Composition*—1 hr.

#### SENIOR YEAR :

**FIRST TERM :—***Volumetric Chemical Analysis*—15 hrs. *General Chemistry*—3 hrs. *Geology*—3 hrs. *Mineralogy*—6 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM :—***Inorganic Preparations*, followed by *Metallurgic Analysis*—15 hrs. *Metallurgy*, followed by *Assaying and Gas Analysis*—3 hrs. *Zoology*, followed by *Geology*—3 hrs. *Petrology*, followed by *Ore Deposits*—1 hr. *Mineralogy* (optional), *Physical and Electrical Chemistry*—3 hrs. *French or German*—3 hrs.

### (c.) IN CIVIL ENGINEERING :

#### JUNIOR YEAR :

**FIRST TERM :—***Surveying*—Field-work, first three weeks in September ; Mapping, 12 hrs. until November. *Mathematics*—Differential Calculus, with applications to Geometry and Analysis, 5 hrs. *Drawing*—Bridge details, 2 hrs. *Descriptive Geometry*—6 hrs. after November 1st. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

**SECOND TERM :—***Mathematics*—Integral Calculus with applications to Geometry, 5 hrs. first half-term. *Theoretical Mechanics*—5 hrs. second half-term. *Drawing*—Bridge details, 2 hrs. *Spherical Trigonometry*—2 hrs. for first half-term. *Railway Engineering*—Curves, earthwork, etc., 2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

#### SENIOR YEAR :

**FIRST TERM :—***Field Engineering*—Location of line of Railroad ; three weeks in June and July. Office-work ; mapping ; calculation of earthwork ; lectures on economic location ; 6 hrs. first half of term. *Railroad Economics*—Lectures, 2 hrs. *Mechanics*—Statics, 4 hrs. *Civil Engineering*—Mechanics applied to Engineering ; Strength of Materials ; Bridges and Roofs ; 4 hrs. *Geology*—Recitations, 3 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 6 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM :—***Civil Engineering*—Bridges and Roofs; Building Materials; Stability of Arches and Walls; Foundations; 4 hrs. *Mechanics*—Applied Mechanics, 4 hrs. first half-term. *Hydraulics*—Hydraulics and Hydraulic Motors, 3 hrs. second half-term. *Drawing*—Designing; Practical Problems; Specifications and Estimates; 12 hrs. after February 10th. *Forest Hydrography*—Lectures (optional) 4 to 6 in number during second half-term. *Astronomy*—Practical Astronomy, with field work; Adjustment of observations; Theory of Least Squares; 3 hrs. *Geology*—3 hrs. until February 10th. *Elementary Petrology*—Lectures (optional) 1 hr. *French or German*—3 hrs.

#### (d.) IN MECHANICAL ENGINEERING :

##### JUNIOR YEAR :

**FIRST TERM :—***Mathematics*—Differential Calculus, with applications to Geometry, and Analysis, 5 hrs. *Thermodynamics*, 2 hrs. *Principles of Mechanism*—Applied Kinematics, 2 hrs. *Drawing*—Descriptive Geometry, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

**SECOND TERM :—***Mathematics*—Integral Calculus, with applications to Geometry, 5 hrs. first half-term; Theoretical Mechanics, 5 hrs. second half-term. *Shop Visiting*—Study of Machine Details and Tools, 13½ hrs. *Thermodynamics* until about April, afterwards *Applied Mechanics*, 2 hrs. *Drawing*—Machine Elements and Mechanical Movements, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

##### SENIOR YEAR :

**FIRST TERM :—***Mechanics*—3 hrs. *Study of Heat Engines and the Steam-Boiler*—4 hrs. *Strength of Materials*—2 hrs. *Machine Designing*—Practical Exercises in Designing Machine Details and Simple Machines, 8 hrs. *Visits of Inspection*—Examination of Machinery in Operation; Reports of Visits. *French or German*—3 hrs. *Blowpipe Analysis and Determinative Mineralogy* (optional)—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM :—***Mechanics*—continued, 3 hrs. *Study of Heat Engines and the Steam Boiler*, continued until about March—3 hrs. *Stresses in Structures*—3 hrs. after February. *Hydrostatics and Hydrodynamics*—Including Resistance of Ships and Theory of Water-Wheels and Turbines, 3 hrs. *Machine Designing*—continued, 8 hrs. *French or German*—3 hrs. *Mineralogy* (optional)—3 hrs.

## (e.) IN ELECTRICAL ENGINEERING:

## JUNIOR YEAR:

FIRST TERM:—*Mathematics*—Differential Calculus, with applications to Geometry and Analysis, 5 hrs. *Theory of Heat*—2 hrs. *Descriptive Geometry*—3 hrs. *Mechanism*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Mathematics*—Integral Calculus, with applications to Geometry, 5 hrs. first half-term; Theoretical Mechanics, 5 hrs. second half-term. *Theory of Electricity*—2 hrs. *Descriptive Geometry and Drawing*—3 hrs. *Analytical Mechanics*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

## SENIOR YEAR:

FIRST TERM:—*Theory of Observations and Theory of Instruments*—5 hrs. *Laboratory Work*—6 hrs. *Machine Designing*—6 hrs. *Steam Engine*—2 hrs. *Shop-Visiting*—2 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

SECOND TERM:—*Theory of Electricity*—5 hrs. *Laboratory Work*—6 hrs. *Dynamo Construction*—2 hrs. *Machine Designing*—6 hrs. *Steam Engine*—2 hrs. *French or German*—3 hrs.

## (f.) IN MUNICIPAL AND SANITARY ENGINEERING:

## JUNIOR YEAR:

FIRST TERM:—*Surveying*—Field-work, first three weeks in September; Mapping, 12 hrs. until November. *Mathematics*—Differential Calculus, with applications to Geometry, Kinematics and Analysis, 5 hrs. *Drawing*—Bridge details, 2 hrs. *Descriptive Geometry*—6 hrs. after November 1st. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Mathematics*—Integral Calculus with applications to Geometry, 5 hrs. first half-term; Theoretical Mechanics, 5 hrs. second half-term. *Drawing*—Bridge details, 2 hrs. first half-term. *Masonry Construction*—2 hrs. *Cement Testing*—2 hrs. first half-term. *Spherical Trigonometry*—2 hrs. first half-term. *Railway Engineering*—4 hrs. second half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

## SENIOR YEAR:

FIRST TERM:—*Field Engineering*—Topographical and Hydrographical Surveying; three weeks in June and July. *Office Work*—Calculations and Mapping; 6 hrs. until Nov. 10th. *Water-Supply Engineer-*

ing—3 hrs. *Mechanics*—4 hrs. *Stresses—Bridges and Roofs*; 3 hrs. *Chemistry*—6 hrs. *Roads and Pavements*—1 hr. *Physical Geology*—3 hrs. *German or French*—3 hrs. *Military Science*—Lecture, 1 hr.

SECOND TERM :—*Hydraulics*—3 hrs. *Strength of Materials*; 3 hrs. to February 10th. *Designing—Roofs and Bridges*; 5 hrs. after February 10th. *Sewer Design and Construction*—4 hrs. first half-term. *Chemistry, Water Analysis*—6 hrs. first half-term. *Bacteriology*—6 hrs. second half-term. *Sewage Disposal*—3 hrs. second half-term. *Practical Astronomy and Adjustment of Observations*—3 hrs. second half term. *Interpretation of Water Analysis*—1 hr. second half-term. *German or French*—3 hrs.

#### (g.) IN ENGINEERING PREPARATORY TO MINING:

##### JUNIOR YEAR :

FIRST TERM :—*Surveying*—Field work, first 3 weeks in September. *Mathematics*—Differential Calculus, 5 hrs. *Thermodynamics*—2 hrs. *Descriptive Geometry*—1½ hrs. *Determinative Mineralogy*—Laboratory work, 3 hrs.; to count as 1½ hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Mathematics*—Integral Calculus, 5 hrs. first half-term. *Theoretical Mechanics*—5 hrs. second half-term. *Thermodynamics*—2 hrs. first half-term. *Descriptive Geometry and Drawing*—3 hrs. first half-term. *Determinative Mineralogy*—3 hrs. *Crystallography and Descriptive Mineralogy*—2 hrs. *English Composition*—1 hr. *Applied Mechanics*—2 hrs. second half-term. *Drawing*—3 hrs. second half-term. *French*—3 hrs. *German*—3 hrs.

##### SENIOR YEAR :

FIRST TERM :—*Surveying*—Field work, three weeks in June and July. *Mapping*—first six weeks of term, 2½ hrs. *Mechanics*—3 hrs. *Steam Engine*—4 hrs. *Strength of Materials*—2 hrs. *Machine Designing*—2 hrs. first six weeks of term, afterwards 4 hrs. *Geology*—3 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

SECOND TERM :—*Mechanics*—3 hrs. *Steam Engine*—3 hrs. first half-term. *Hydraulics*—3 hrs. *Machine Designing*—4 hrs. *Zoology and Geology*—3 hrs. first half-term. *Stresses in Structures*—3 hrs. second half-term. *Geology*—3 hrs. second half-term. *Petrology and Ore Deposits*—1 hr. *French or German*—3 hrs.

## (h.) IN NATURAL HISTORY:

Either Zoology or Botany may be made the principal laboratory study, some attention in each case being directed to the other branches of Natural History.

## JUNIOR YEAR:

FIRST TERM:—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Recitations and Lectures, 4 hrs. Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *Physical Geography*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Zoology*—Laboratory Practice, 6 to 12 hrs.; Recitations and Lectures; Excursions (land and marine). *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *Physiology*—Recitations and Lectures, 2 hrs. *Embryology*—Lectures. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 4 hrs. *Physical Geography*—2 hrs. during Winter half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

## SENIOR YEAR:

FIRST TERM:—*Geology*—Recitations, 3 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Lectures, 2 hrs.; Recitations, 3 hrs.; Excursions. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs. *Meteorology*—Lectures, 2 hrs. *French or German*—3 hrs. *Military Science*—Lecture 1 hr.

SECOND TERM:—*Geology*—Recitations, 3 hrs. *Anatomy of Vertebrates*—2 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Recitations, 2 hrs.; Lectures, 2 hrs. *Botany*—Herbarium Studies, in any desired line; Botanical Literature; Essays in Descriptive Botany. *Sanitary Science, Laws of Heredity, and Principles of Breeding*—Lectures. *French or German*—3 hrs.

Besides the regular course of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught in the laboratories to prepare, arrange, and identify collections, to prepare sections and other microscopic objects, to make dissections and drawings, to pursue special investigations, and when sufficiently advanced, to describe genera and species in the language of science. For these purposes, large collections in Zoology and Botany belonging to the University are available.



(i.) IN MINERALOGY AND OTHER STUDIES PREPARATORY  
TO GEOLOGY :

JUNIOR YEAR :

In Junior year the course is identical with that in Chemistry.

SENIOR YEAR :

**FIRST TERM :—**During the first term the course is identical with that in Chemistry.

**SECOND TERM :—***Crystallography*, including the use of the Reflecting Goniometer, and the drawing and calculation of Crystals. *Optical Properties of Crystals* and the use of the Polarizing Microscope—Laboratory Instruction and Practice, 20 hrs. *Mineralogy*—Lectures, 2 hrs. *General Chemistry, Metallurgy, Assaying, and Gas Analysis*—2 hrs. *Elementary Petrology*—Lectures, 1 hr. *Geology*—3 hrs. *French or German*—3 hrs.

This course is open only to students who have maintained a high scholarship standing in the chemical studies of Junior year, and only a limited number can be accommodated.

(j.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES :

JUNIOR YEAR :

**FIRST TERM :—***Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Laboratory Practice, 15 hrs.; Recitations and Lectures, 4 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

**SECOND TERM :—***Organic Chemistry*—continued, 15 hrs. for four weeks and 2 hrs. for rest of term. *Comparative Anatomy and General Biology*—Lectures, Recitations and Laboratory Practice, 15 hrs. *Physiology*—Recitations with demonstrations, 2 hrs., commencing the fifth week of the term. *Laboratory Physics*—4 hrs. during Spring half-term. *Mineralogy*—continued through Winter half-term, 4 hrs. *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SENIOR YEAR :

**FIRST TERM :—***Physiological Chemistry and Physiology*—Recitations and Lectures, 1 hr.; Laboratory Practice with demonstrations, 13 hrs. *Organic Chemistry*—Lectures and Recitations, 2 hrs. *Zoology*—Lectures, 2 hrs. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs. *Geology*—Recitations, 3 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM:**—*Physiological Chemistry and Physiology*—Illustrative Lectures and Recitations, 4 hrs.; Laboratory Practice and demonstrations, 13 hrs. *Experimental Toxicology*—Lectures, 3 hrs. during Spring half-term. *Geology*—Recitations, 3 hrs. *Morphology and Embryology of Vertebrates*—Lectures and demonstrations, 6 hrs. during Winter half-term. *Zoology*—Laboratory work in the dissection of typical Animal Forms, 4 hrs. *Laws of Heredity and Principles of Breeding*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *French or German*—3 hrs.

(k.) IN SELECT STUDIES PREPARATORY TO OTHER  
HIGHER STUDIES:

JUNIOR YEAR:

**FIRST TERM:**—*Physical Geography*—Recitations from Warren, and Lectures, 4 hrs. *English*—Early English, 2 hrs. *Anthropology*—2 hrs. *History*—Medieval, 3 hrs. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

**SECOND TERM:**—*Astronomy*—4 hrs. during Winter half-term. *Anthropology*—2 hrs. during Winter half-term. *Botany*—Lectures; Laboratory Practice in the study of Phanerogamous Plants, 4 hrs. during Spring half-term. *English*—Chaucer, Spenser, Shakespeare, 3 hrs. *History*—Medieval and Modern, with special reference to the History of England, 2 hrs. during Winter half-term; 5 hrs. during Spring half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR:

**FIRST TERM:**—*Geology*—Recitations, 3 hrs.; Excursions. *Meteorology*—Lectures, 2 hrs. *English*—Shakespeare, 3 hrs. *Economics*—5 hrs. *Constitutional History of the United States*—3 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

**SECOND TERM:**—*Zoology*, 3 hrs. during Winter half-term, to be followed by *Historical Geology*, 3 hrs. during the remainder of the year. *Heredity*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *Economics*—Recitations, Exercises, and Lectures, 5 hrs. during first part of Winter half-term, followed by *Economics*, 2 hrs., and *Political Science*, 3 hrs., during the remainder of the year. *Constitutional History of the United States*—3 hrs. during Winter half-term and 2 hrs. during Spring half-term. *English*—Shakespeare, Milton, Dryden, Pope, Gray, and later authors, 3 hrs. during Winter half-term, 4 hrs. during Spring half-term. *French or German*—3 hrs.

## (1.) IN AGRICULTURE:

## JUNIOR YEAR:

The course is identical with that in Chemistry, except that in the second term lectures in Crystallography and Descriptive Mineralogy are omitted, and in the Spring half-term Botany is substituted for Determinative Mineralogy.

## SENIOR YEAR:

FIRST TERM:—*Agriculture*—Recitations, 2 hrs. *Agricultural Chemistry* (Chemical Physiology of Vegetation)—Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—Lectures, 2 hrs. *Meteorology*—Lectures, 2 hrs. *Botany*—Laboratory Practice, 5 hrs. *French or German*, 3 hrs. *Military Science*—Lecture, 1 hr.

SECOND TERM:—*Agriculture*—Recitations or Lectures, 2 hrs. *Agricultural Chemistry*—Lectures, 2 hrs. *Physiology*—Recitations and Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—continued, 2 hrs. *Heredity and Stock-breeding*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science and Public Health*—Lectures, 2 hrs. during Spring half-term. *French or German*—3 hrs.

## (m.) IN STUDIES PREPARATORY TO THE STUDY OF FORESTRY:

## JUNIOR YEAR:

FIRST TERM:—*Surveying*—Field work, first 3 weeks in September. *Mapping*—12 hrs. until November. *Outlines of Forestry*—Lectures, 3 hrs. *Mineralogy*—Laboratory work, 4 hrs. *Economics*—5 hrs. *German*—3 hrs. *French*—3 hrs. *English Composition*—1 hr.

SECOND TERM:—*Strength of Materials*—2 hrs. first half term. *Spherical Trigonometry*—2 hrs. first half-term. *Economics*—5 hrs. first half-term, and 2 hrs. second half-term. *Political Science*—3 hrs. during second half-term. *Practical Astronomy*, with field work, etc.—4 hrs. during second half-term. *Botany of Flowering Plants*—Laboratory work, 4 hrs. *German*—3 hrs. *French*—3 hrs. *English Composition*—1 hr.

## SENIOR YEAR:

FIRST TERM:—*Meteorology*—Lectures, 2 hrs. *Physical Geology*—Recitations, 3 hrs. *Forest Mensuration*—Lectures and Recitations, 2 hrs. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hrs. *Silviculture*—Lectures, 3 hrs. Field work. *Forest Botany*—Lectures and laboratory work, 2 to 4 hrs. *French or German*—3 hrs. *Military Science*—Lecture, 1 hr.

SECOND TERM:—*Physical Geology*—Recitations for 8 weeks of first half-term, 3 hrs. *General Morphology of Plants*—Laboratory work, excursions, and informal lectures, 4 hrs. *Forest Botany*—Lectures, laboratory work, and excursions, 2 to 4 hrs. *Silviculture*—Lectures, 3 hrs. Field work. *Elementary Petrology*—Lectures, 1 hr. first half-term. *Origin and Nature of Soils*—Lectures, 1 hr. second half-term. *Forest Physiography and Meteorology*—Lectures, 4 hrs. during first half-term. *State and National Forestry*—4 to 6 special lectures during first half-term. *Forest Hydrography*—4 to 6 special lectures during second half-term. *Forest Mensuration*—Lectures and recitations, 2 hrs. Field work first half of term. *German or French*—3 hrs.

In second half-term there will be outside Field work in Forestry and Thesis work.

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Lectures and instruction in Military Science are given once a week during the Fall term to the Senior class by the Professor of Military Science and Tactics.

#### CHARACTER AND AIM OF INSTRUCTION

The following account of the various subjects specified in the above scheme will explain the character and aim of the instruction.

CHEMISTRY OF FRESHMAN YEAR—In the chemistry of Freshman year chemical phenomena are first studied. This part of the work is supplemented by a brief course in theoretical chemistry, and the remainder of the year is devoted to general chemistry with the application of theory. The exercises consist in recitations from a text-book, lectures and laboratory work. The object of the experimental work is to facilitate the study, and to train the students in the observation of phenomena, and in manipulation. Notes are required and the students are questioned on the experiments.

Students who pass at the beginning of the year on the work above described, the part on theory excepted, will have a course in qualitative analysis and also the theoretical chemistry pursued by the class.

ANALYTICAL CHEMISTRY—*Qualitative and Quantitative*.—Analytical Chemistry is used by the advanced student as an aid to investigation in scientific or technical researches. The beginner, however, derives from its study advantages of another kind. The knowledge of the properties of chemical compounds, the familiarity with chemical reactions gained by experience in the laboratory and the development

of the reasoning faculties by the application of this knowledge in analytical processes, enable the student to generalize and classify chemical phenomena, and aid him to understand the more abstract theories of chemical philosophy. The method of instruction adopted conforms to this view of the uses of the study. Text-books are used and recitations are required, but the more important part of both study and instruction is performed in the laboratory. In order to solve the problems which are there constantly presented, the student, aided by books and instructors, must learn both principles and their applications. The student, throughout his course in Analytical Chemistry, spends three consecutive hours in laboratory work during five days of the week. The laboratory, however, is kept open seven hours daily for the benefit of graduate students and others who desire to devote more time to this study.

Qualitative Analysis forms a part of the courses in Chemistry, Metallurgy, Biology, Sanitary Engineering, Agriculture, and Natural History. Quantitative Analysis is one of the more important studies of the Senior year in the Chemical and Metallurgical Courses. It is also included to some extent in the Agricultural Course.

**GENERAL AND THEORETICAL CHEMISTRY**—This subject occupies three hours a week during the first term of the Senior year in the course in Chemistry. Remsen's *Inorganic Chemistry* is used as a text-book, and regular recitation work is supplemented, as occasion demands, by oral instruction. The course is designed to present to the student such a general view of Inorganic Chemistry as will enable him to appreciate the investigations which are being carried on at the present time in this department, and will also give him a knowledge of the fundamental principles involved in the chemical processes used in the arts.

**PHYSICAL AND ELECTRO-CHEMISTRY**—These subjects occupy three hours a week throughout the second term and consist of recitation work supplemented by occasional lectures. The ground covered includes the most important theories and methods of the subjects. Walker's *Introduction to Physical Chemistry* is used as the text-book. Opportunities for special laboratory work are given to students who are sufficiently advanced.

**METALLURGY**—This subject is included in the Chemistry course and in the course preparatory to Metallurgy. The class-room work consists of three exercises a week during both halves of the second term of Senior year. A text-book is used, but this is supplemented to a considerable extent by lectures. Particular attention is paid to the chemical principles involved in the processes used for the extraction of all

the important metals from their ores. A series of lectures is given on the fire-assay of ores, particularly those of gold and silver, and the members of the Metallurgy course are required to do a considerable amount of practical work in fire-assaying. The more important methods of technical gas-analysis are taught in a practical manner in connection with this course of study. During the last half term of Senior year the students of the Metallurgy course have, in addition, fifteen hours a week of laboratory work in the analysis of ores, fuels, metals, and other substances of metallurgical importance.

**ORGANIC CHEMISTRY**—The course in Organic Chemistry is a combination of text-book work with experimental lectures. The class has two exercises weekly from the commencement of Junior year to the end of the first term of Senior year. Laboratory work in this department of Chemistry is required during the second term of Junior year and is required of the members of the Chemical course during the latter half of the second term of Senior year.

Opportunity is also afforded for the carrying on of original investigations in this subject, either in connection with theses, or as a part of the regular work in the case of advanced students.

**PROXIMATE ORGANIC ANALYSIS**.—The purpose of this course is partly to familiarize the student with the chemical and microscopical methods for determining the value and purity of vegetable and animal products and partly to give him a general idea of their nature and composition.

During the first half of the second term of the Senior year, three hours a day during two days of each week are devoted to analysis of cereals, oil seeds, milk, butter, fats, oils, sugar products, alcoholic liquors, tea, coffee, spices, tannin materials, etc. Attention is given not only to the quantitative determination of protein, oil, starch, cellulose and other constituents of vegetable materials, but also to the appearance of these constituents under the microscope and the identification of adulterants by microscopic examination.

A special course, extending through the latter half of the term, is offered to those who wish to carry on further work in this line, the instruction being adapted to suit the needs of each student.

**PHYSIOLOGY**—Elementary Physiology is taught by recitations and demonstrations, being designed especially for Junior students in the Biological course. In Senior year, particular attention is paid to the physiology of digestion and nutrition in connection with the study of Physiological Chemistry.

In Experimental Physiology the various graphic methods are illustrated and applied to the study of the phenomena of the muscular and

nervous systems, the circulation, respiration, etc. The work in the laboratory involves the use of the ordinary forms of apparatus for physiological investigation. Stress is laid not alone upon the phenomena of the animal functions, but the topics selected are intended to familiarize the student with the problems and methods of scientific research in this domain. The more advanced students are kept in touch with progress in physiology by a physiological seminary.

**PHYSIOLOGICAL CHEMISTRY and EXPERIMENTAL TOXICOLOGY**—Physiological Chemistry is taught by laboratory exercises, illustrative lectures, and recitations. Each student is provided with a suitable working place in the laboratory, well equipped with all needed apparatus and material. The regular course of work, designed especially for Senior students in the Biological Course, extends through one year and embraces a thorough study of the chemical composition of the various tissues and fluids of the body, together with a study of the chemical and physiological processes of respiration, digestion, secretion, excretion, and nutrition in general.

Beginning with a study of the albuminous bodies and more important carbohydrates, the experimental work extends through the epithelial, connective, contractile, and nervous tissues. Proceeding then to digestion, the various digestive fluids are studied, artificial digestions are made, and the several products of digestive action isolated and studied. The blood, milk and urine are next considered, and students are taught to make both qualitative and quantitative analyses of the latter and to identify abnormal constituents. A portion of one term is also devoted to a study of the chemical reactions of the more important mineral and organic poisons, and their physiological action is determined experimentally. Students are also taught how to separate poisons from organic tissues and fluids, and to identify them, both by chemical and physiological reactions. During the latter half of the second term of Senior year, opportunity is afforded for the carrying on of original investigations on some selected subject in either physiological chemistry or toxicology, in connection with the preparation of honor theses. This line of work is particularly recommended to students intending to enter upon a course of medical studies.

**COMPARATIVE ANATOMY and GENERAL BIOLOGY** are taught by laboratory work, lectures, and frequent examinations. The regular course of instruction, intended especially for students in the Biological Course, extends through the second term of Junior year and the winter half-term of Senior year, and is designed to give the student the mental and manual training in the methods of investigation by

which the facts and principles of these sciences have been established, and at the same time to give him a sufficient knowledge of their elements to enable him to pursue with profit the more special studies which follow.

The course begins with the general anatomy of the vertebrate type, in connection with the study of Elementary Physiology. Dissections of the frog and mammal are made under the immediate supervision of the instructor, and the student is required to make careful sketches and records of his work, which is supplemented by demonstrations and informal lectures. Some of the simpler forms of plants and animals are next studied microscopically, the methods of microscopical investigation taught, and the general facts of cell-structure illustrated. The histology of the higher animals is then studied in more detail, microscopical preparations of the principal tissues and organs are made and examined, the general principles of the morphology of the tissues are illustrated, and the student is specially drilled in distinguishing the different tissues and organs under the microscope.

During the Winter half-term of Senior year, instruction in the morphology and embryology of vertebrates, with special reference to human morphology, is given by a course of lectures and demonstrations.

**BACTERIOLOGY AND HYGIENE.**—In this course it is the object to give the student such instruction as will enable him to acquire a general knowledge of bacteriology and hygiene. Each student is provided with a complete set of working instruments, and the work consists of laboratory exercises supplemented by lectures. At the outset each student is instructed in the preparation of the necessary culture media. The methods of artificial bacteriological diagnosis are then studied, involving the "forming of plates," cultivation of bacteria in various nutrient media, staining and microscopic examination of slides. About a month is devoted to the study of pathogenic microorganisms and their relation to disease. Animal inoculation forms a part of this work. One to two weeks are given to sanitary water analysis, the work being largely qualitative. Finally, the last three or four exercises are devoted to the study of the common disinfectants. In the entire course emphasis is placed on the technique of the subject.

The regular course extends over a period of ten to twenty weeks, three afternoons each week.

Instruction also is given to those who desire more advanced training in the subject.



**GEOLOGY**—The course in Geology includes recitations, lectures and oral instruction, extending through the year. During the first term the recitations are attended by the entire Senior class, except those in the courses in Mechanical and Electrical Engineering. This part of the course includes Structural and Dynamical Geology and is illustrated by maps, lantern views, photographs, diagrams and specimens.

During the first half of the second term the Seniors in the Civil Engineering course extend the work of the first term into stratigraphical geology with special reference to its economic aspects.

The last half-term of the year is devoted to Historical Geology and Paleontology. The sequence and distribution of the sedimentary formations are studied, together with the introduction and succession of the various types of life during past geological ages. This part of the course is pursued by all the Seniors except those in the Engineering courses. Suitable collections of rocks, fossils, lantern views, etc. are used to illustrate the subject.

Opportunities are afforded for optional geological excursions during the warmer months. Additional and advanced work in geology, petrology and paleontology is offered in the list of graduate courses.

**MINERALOGY**—Instruction in Mineralogy is carried on by means of practical work in a laboratory especially fitted up for the purpose, the methods of instruction being such that students acquire familiarity with the common minerals, by making chemical and physical tests upon them, as also by seeing and handling a large number of typical specimens. Attention is devoted especially to those species which are of economic, geological, or scientific importance. To better understand and appreciate the chemical aspects of the subject, students are first made familiar with the simple chemical tests and blowpipe reactions which are best adapted for testing minerals, and later this knowledge is applied to the determination of unknown species. Students have free access to a labeled collection of carefully selected, typical mineral specimens, where the crystallization and other physical properties of the different species can be studied, and where comparisons can be made with specimens which have been determined. There are also extensive unlabeled collections for study, arranged especially to give students practice and facility in the correct identification of minerals. In addition to laboratory work, instruction is given in Crystallography, illustrated by collections of models and natural crystals. The lectures in Descriptive Mineralogy to the more advanced students are illustrated by the extensive private collection of Professor Brush. The laboratory is provided with apparatus for the thorough chemical and physical investigation of minerals and with an extensive library to which students have access. The laboratory

is open seven hours each day to accommodate any who desire to devote more time to the subject than is laid out in any of the prescribed courses.

**PETROLOGY**—This course begins by familiarizing the student with the use of the polarizing microscope and the identification and study of the important rock-making minerals by optical and chemical methods. The history, origin, and classification of rocks is then taken up, commencing with the igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are studied. The work is carried on in the petrographical laboratory, requiring three hours of work daily under the instructor, with regular lectures at stated periods. Large collections of rocks and thin sections belonging to the School are available for these purposes.

*Elementary Petrology*—A series of lectures of an elementary nature and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties, is given one hour a week in the second term.

This course is illustrated by collections and is offered as an optional to all students in the Senior class and in graduate courses who may desire to take it.

*Origin and Nature of Soils*—This is a course supplementary to the preceding one, and is designed to complete the student's necessary knowledge of rocks and soils. It treats of the origin and nature of soils with special reference to forests.

**ZOOLOGY**—The instruction in Zoology includes a course of lectures on Systematic Zoology, Morphology, and Embryology. These lectures are generally given twice a week, and continue during about half the year. The students are required to keep careful notes of the lectures.

Students in the Natural History course are also required to pursue a course of laboratory instruction during the second term of Junior and all of Senior year. This generally occupies from two to four hours a day on four days of each week. It includes dissections of various classes and orders of animals, with microscopic studies of the finer structures and of minute animal forms, as well as work in Systematic Zoology.

Special courses of recitations or lectures on particular subjects are also given when desirable.

**BOTANY**—In the courses in Biology, Natural History, and Agriculture, a general survey of the vegetable kingdom is made. Beginning with the simplest forms, selected types of the various classes of plants are

examined in the laboratory, and their structure, development, and relationships are discussed in informal lectures. In the Select Course, a study is made in the laboratory of typical, green, flowering plants with special reference to the structure and functions of their various organs. Frequent written tests are also required.

In the course preparatory to the study of Forestry the work includes a study of both flowering plants and cryptogams.

For those who may desire to pursue the science professionally, the work is arranged to suit individual requirements, whether it be in the direction of Morphology, Physiology, or Systematic Botany, as applied to either flowering plants or the cryptogamous orders.

*Plant Physiology*—Instruction in plant physiology is offered to those students familiar with the elements of vegetable morphology and histology who possess some knowledge of physics and chemistry. An acquaintance with organic chemistry is also very desirable. Particular attention is devoted to such topics as the composition of the plant body, plant nutrition, the synthesis of proteids and carbohydrates, the distribution and significance of vegetable enzymes, and other features of metabolism. The experimental method is emphasized wherever practicable. Opportunity is offered for research work in plant physiology, especially with reference to its chemical aspects.

**INTRODUCTION TO FORESTRY**—This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. It considers the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States.

**FOREST BOTANY**—This course is designed especially for those intending to enter upon the study of Forestry. The instruction is devoted mainly to the identification of trees and shrubs, their distribution, habits and uses. Herbaceous and Cryptogamic plants are considered so far as a knowledge of them may prove useful to the forester. The course includes also a study of the anatomy and physiology of trees.

**AGRICULTURE**—The special instruction in the science of Agriculture is by recitations and lectures, with such aids and appliances as are suited to the class-room and laboratory. Besides Analytical and Agricultural Chemistry, it includes a discussion of the cultivation of the staple field crops of the country; theories of rural economy and systems of husbandry; the laws of heredity, and principles of stock-breeding; Botany, Mycology and the diseases of plants, and Zoology. Opportunity is offered also for the study of insects injurious to crops.

**SANITARY SCIENCE**—The lectures on this subject discuss the natural laws which govern the public health ; their relation to public intelligence and the form of government of communities ; the significance and use of mortuary statistics ; the germ-theory of disease and theory of disinfection ; epidemics and pestilences, their relations to the prosperity of a community ; methods of control ; the hygiene of private dwellings and public buildings ; the relations of the water-supply to public health ; sewerage ; the function of boards of health and methods of sanitary administration.

*Personal Hygiene*—A few lectures are given during the early weeks of the first term on personal hygiene and the care of the health, more especially as relative to student life.

**HEREDITY**—A course of twenty-five lectures is given during the second term of Senior year on the principles of Heredity, and their applications to stock-breeding, to medicine and hygiene, and to the investigation of certain sociological problems.

**METEOROLOGY**—Two lectures per week during the first term, embracing the physics of the atmosphere, the science of Meteorology, and the methods of weather-prediction used by the U. S. Weather Bureau.

**FOREST PHYSIOGRAPHY**—General conditions necessary to forests ; forests as related to temperature and its range ; to rainfall and its range ; to excesses of weather and climate ; to the mechanical and chemical nature of soil and ground-water ; to the geological character of the surface ; to the relief-forms of the land ; to other geographical features ; the geographical distribution of forests ; the aspects of forests as related to climate and topography ; the geological history of forests ; and forests in relation to public health.

**FOREST MENSURATION**—This course treats of the methods of determining the contents of felled and standing trees and of whole stands ; methods of estimating timber ; use of American log scales ; determination of diameter, height, and volume increment.

**PHYSICAL GEOGRAPHY**—This subject occupies four hours per week in the Select Course, during the first term of Junior year, and includes the elements of Surficial Geology. The time will be largely occupied with a study of the land, mountains, rivers, plateaus, etc., and of the ocean in its physical and dynamical relations. Two points will be kept in view : first, the history and development of land forms into their present condition as natural scenery, and second, the influence of topography, climate, and distribution of fauna and flora upon the human race.

The course will consist of lectures supplemented by text-book and illustrated by maps, models and lantern views.

Optional reading courses and field excursions will be conducted and advanced work will be arranged for graduate students.

**ANTHROPOLOGY**—Occupies two hours per week in the Select Course, during the Fall term and the first half of the second term of the Junior year. In connection with a comprehensive text-book such subjects will be studied as the antiquity of man, the relation of man to other animals, racial differences, language, the arts of life, the spirit world, etc. Lectures will briefly outline the earliest forms of the industrial organization, marriage and the family, property, religion and government. The anthropological collections of Peabody Museum and other illustrative material will be utilized as far as practicable. Optional reading will be assigned to those desiring it.

**SILVICULTURE**—This course treats of the characteristics of trees and forests; forest regions of the United States; special consideration of trees important in Forestry: methods of research work in silviculture; methods of reproducing forests; treatment of forests. Forest planting is taught in the spring term by the Assistant Professor of Forestry. Attention is also given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

**FIELD WORK IN FORESTRY**—Excursions and field work form an important part of the instruction in Forestry. Several tracts of woodland have been selected near New Haven, where the students are given instruction and practice in taking forest measurements, making forest descriptions, marking trees for cutting, preparing working plans, sowing, planting, etc. Frequent excursions are also taken in connection with the course in Forest Botany to train the students in the identification of local species.

**FOREST HYDROGRAPHY**—A course of 4 to 6 lectures on the flow of streams; diurnal and seasonal variations; non-periodic fluctuations; regimen of various rivers; effects of forest and cultural conditions on available flow; underground water.

**STATE AND NATIONAL FORESTRY**—A course of 4 to 6 lectures on the interest of the States and the United States in Forestry; province of State and Federal action in forest matters; forest reserves; State forest officers and organizations; Governmental Forestry abroad; forests and forestry in the Philippine and Hawaiian Islands.

**MATHEMATICS**—The mathematical studies of the Freshman year are pursued by all members of the class; those of the Junior year, by students in the Engineering courses, and properly qualified special students who may choose them. In Senior year several optional courses are offered, in which the methods and notions of modern analysis and geometry are presented. It is the purpose to furnish those intending to follow the engineering profession with useful additional mathematical knowledge, and to prepare for more advanced courses any students desiring to specialize in mathematics.

**PHYSICS**—The object of the experimental lectures is not only to elucidate the subjects treated in the text-books employed, but also to extend the treatment of such subjects, and to introduce others where thought desirable. A considerable portion of the work of the year is the preparation for recitation on matter thus presented.

The facilities of the Physical Laboratory are extended to such graduate students and Seniors as may desire them.

*Course in Advanced Physics*—A course of three lectures and two recitations per week, throughout the year, is supplemented by laboratory work. A portion of the time is devoted to the theory of observations and the method of least squares. The course is optional to all who have a command of the calculus.

**MILITARY SCIENCE AND TACTICS**—Instruction in this course is obligatory upon the whole Senior class in all departments. The work is carried on chiefly by lectures, upon which satisfactory notes must be submitted. Such topics as the following are discussed: military economy; the American military problem; organization and reorganization; modern war on field and map; statistics and logistics; the combined use of "the three arms"; strategy and campaigning; orders of battle and grand tactics; special operations of war and field service; minor tactics and the art of war; use of cavalry in campaign and battle; use of artillery; use of infantry; and the Turko-Russian war. The course will terminate with an examination, and a special military certificate is awarded, by the Regular Army officer in charge of the department, to such students as attain a sufficient degree of proficiency, and give evidence of military aptitude. In connection with this course a brief original paper is required.

When a sufficient number of students desire it, practical instruction in drill in the School of the Soldier and School of the Company will be given. The names of the three most distinguished students in this department must be sent to the Adjutant General of the Army for publication in the Army Register, and also to the Adjutant General of the State to which each student belongs.

**CIVIL ENGINEERING**—The object of this course is to give, first of all, a thorough preparation in the principles of the various sciences involved, and afterwards, as extensive practice in the application of those principles as the time at disposal, the ability of the students, and the facilities and plant permit.

Under the first head are included such subjects as Mathematics, Physics, Mechanics, Thermodynamics, Astronomy, Geology, Mineralogy, and Chemistry; and under the second head, Drawing, Surveying, Strength and Properties of Materials, and Designs and Construction of various kinds, such as Bridges, Roofs, Foundations, Arches, Retaining Walls, Dams, Water Works, Railroads, Improvement of Rivers and Harbors, Sewerage and Drainage, Motors, Hydraulics and Sanitary Engineering.

The first division includes Civil Engineering as a Science, the other, Civil Engineering as an Art. The ground covered by the first is definite, and the instruction is made as thorough as possible. The ground covered by the second is of almost indefinite extent. Here, by a careful selection of practical examples, such as occur in engineering practice, the application of principles is illustrated, and together with the analytical or algebraic methods, the student is also instructed in practical graphic solutions, wherever such solutions present a special value. Much time is devoted to geodetic operations and to surveying in the field.

The method of teaching is by means of practical exercises, lectures, and recitations, so combined as to develop as far as possible the mental powers of the student. Visits of inspection are made at suitable intervals to private and public works of engineering interest.

The entire course requires five years, three years of undergraduate and two of graduate instruction; and a thesis of merit upon some approved subject, accompanied by designs and estimates, is required upon the completion of the course. Examinations are also held at the end of every term and year.

In what follows, such details are given as may be of interest to those who contemplate taking the course.

*Mathematics*—5 hours weekly, Junior year. See Synopsis of course.

*French and German*—Students in this course take the regular studies of the Junior and Senior classes in both German and French.

*Drawing and Descriptive Geometry*—Drawing is begun at once in the first term of Freshman year, under the charge of the Professor of Drawing in the Art School, and includes practice in free-hand drawing. In the second term, under the Instructor in Instrumental Drawing, the students take isometric drawing with application to drawing from models and structures by measurements, shading, tinting, con-

ventional use of colors, principles of orthographic projections, and practice in making simple working-drawings, 4 hours both terms.

The Drawing of Junior year, 6 hours both terms, includes Descriptive Geometry, the drawing of structures from measurement, and elements of design for simple structures. The instruction is by recitations, lectures, practical exercises, and models, and is under the charge of the Instructor in Instrumental Drawing and the Professor and Instructor in Civil Engineering. Included in the work of this year is also the mapping of surveying field-notes.

In Senior year, the drawing consists of the mapping of the surveys of that year, and the designing of structures and finished drawings, designs, and estimates, under the charge of the Professor and Instructor in Civil Engineering, 6 hours both terms.

*Surveying and Field Engineering*—A three weeks' course of practical instruction in field-work is given in both the Junior and Senior years. This instruction for the year 1903 for the Senior year begins on Monday, June 15th, and for the Junior year on Monday, August 31st.

In the Junior year, the three weeks before the beginning of the fall term are spent in uninterrupted work in the field. The course is then continued, four afternoons a week, until about November 1st, with lectures, recitations, and work in the drawing room.

Land, topographical, stadia and city surveys are made, plotted, checked, traced, and blue-printed. Levels are run and profiles drawn. Special problems likely to occur in practice are taken up in the field and in the class-room. The field-work is arranged so that each student receives a thorough drill in the use of the instruments, including the transit and the level.

In the three weeks in June and July before the beginning of the first term of Senior year, a line of railroad is located and set out from a contour map previously obtained, grades and curves established and set out, and computations made. The theory of economic location is taught by lectures and recitations in connection with the field-work. The work is arranged so that each student has sufficient practice in all the various operations. The text-books used are Gillespie and Johnson's works, Henck's *Field Book*, Merriman's *Geodetic Surveying*, and Merriman's *Theory of Least Squares*. The course is under the charge of the Instructor in Civil Engineering, aided by several assistants.

*Mechanics of Engineering*—Senior year, 6 to 8 hours, both terms. The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics. The course includes thorough instruction in the strength of materials, the stability of foundations, retaining walls, dams and embankments, and masonry arches, by lectures and graphic



methods. Questions of hydraulics, water-supply, the measurement of discharge, and the theory and construction of water-motors receive attention.

*Construction and Design*—Senior year, 6 hours both terms. A thorough course is given in the determination of stresses and the detailed design of roofs, bridges, etc., with working-drawings, specifications, and estimates. Visits of inspection are made, and recitations and lectures held in connection with the work in the drawing room.

*Astronomy*—This course occupies 3 hours during the second term of Senior year, and includes practical work and the use of the sextant and transit in determining time, latitude, and azimuth.

*Geology*—This course occupies 3 hours up to the middle of the second term of Senior year.

*Mineralogy*—This course, under the Professor of Mineralogy, occupies 6 hours of the first term in Senior year.

A course of lectures on the theory of electricity and its applications, by the Professor of Physics, is open to students in this department, and can be taken as a part of the preparation for a graduate course in the higher branches of electrical science.

**MILITARY ENGINEERING**—The object aimed at is to disseminate military information, and to awaken interest in the application of the arts of peace to those of possible war. In connection with the courses of Civil Engineering and Military Science, lectures will be given upon such topics as: systems of fortification; sea-coast defenses; hasty intrenchments; passage of rivers and military bridges; military reconnaissance, and instruments; battlefield telemetry and methods; sea-coast range-finding, and ship-tracking devices; gunpowder and ballistic machines; high explosives and demolitions; gun metals, modern ordnance, and gunnery; armor plates, turrets, projectiles and fuses, torpedoes, submarine mines, military electric installation, and counter-mining.

**MUNICIPAL AND SANITARY ENGINEERING**—The object of this course is to afford a training for students who wish to devote attention especially to those branches of civil engineering that concern the public health. This calls for a better knowledge of chemistry and bacteriology, and their relations to those engineering problems which deal with sanitation, than can be obtained in the usual course in Civil Engineering.

In the course of study here outlined, it is the aim in all subjects to first give as thorough a preparation in the principles of the various sciences involved, as the time at command will allow, before passing to a consideration of the practical features of applied engineering.

The method of teaching is by means of recitations, lectures, and practical exercises, supplemented by visits of inspection to works of engineering and sanitary interest.

The following details are thought to be of interest to those who contemplate taking the course :

*Mathematics*—5 hours weekly, Junior year. See page 218.

*French and German*—Students in this course take the regular studies of the Junior and Senior classes in both German and French.

*Drawing*—In addition to the free hand and instrumental drawing of the Freshman year, instruction in Descriptive Geometry, by recitations and the graphical solution of problems on the drawing board, is given in the Junior year, personal instruction being given to each student. Included in the work of both Junior and Senior years is also the mapping of all surveys made by the class, and the bridge drafting.

*Field Engineering*—The entire available time for three weeks in both Junior and Senior years is devoted to a course of practical instruction in field-work. This course for the year 1903 for the Senior year begins on Monday, June 15th, and for the Junior year on Monday, August 31st.

In Junior year the work covers the use and adjustment of instruments, the making of land, topographical, stadia, city surveys, and leveling. The field-work is so arranged as to give each student a thorough drill in the use of the instruments. In the second term of the year a course consisting of lectures and recitations is given dealing with the calculation of earthwork and with track-work, giving especial attention to street railway requirements.

In Senior year a system of triangulation is laid out over a convenient watershed and with this as a basis a topographical and hydrographical survey is made ; all the principal methods for locating topographical or other details, as by transit, stadia, or plane table, being employed in different parts of the work, the leveling being done with the Y-level, hand-level, and vertical angles. A portion of the time is also devoted to staking out curves, switches, etc., with especial reference to street railway requirements. The work is arranged so as to give each student sufficient practice in each of the methods employed under the immediate supervision of an instructor and then to gradually throw him upon his own responsibility.

*Mechanics*—The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics.

*Roofs and Bridges*—The course of instruction in roofs and bridges consists of two parts; first, the computation of stresses in all the standard forms of simple roof trusses and bridge trusses by both the

algebraic and graphic methods ; second, the fundamental principles of design applied to beams, girders, floor-systems, riveted connections, pin-connections, railway trusses, highway trusses, and roof trusses.

Visits of inspection and lectures supplement the work in the drawing-room, but the larger part of the time is spent by the student in actually computing and designing under the direction of the instructor.

*Hydraulics*—The method of instruction is by means of recitations and lectures supplemented by illustrative experiments on the apparatus available. Special attention is given to questions in regard to the flow and discharge of streams, pipes, and sewers.

*Masonry Construction*—The course includes instruction in the properties of the component materials, the details of the construction and calculation of the stability of foundations, retaining walls, dams and arches. Each student is also required to make the usual tests of cement and mortar.

*Water Supply Engineering*—This course treats of the varying quantity of water required by different classes of cities and towns, the methods of collecting and distributing the same, methods of judging its quality and its effect on the public health, sources of contamination and methods of filtration, and in connection with hydraulics the designing of pipe systems.

*Sewer Design*—In this course instruction is given, by lectures, in the various methods of sewer design and construction suited to typical cases, illustrated by existing systems, and followed by requiring the student to design a system to meet simple requirements.

*Sewage Disposal*—This subject is treated by lectures on the various methods adopted in practice with their results, considered both from an engineering and sanitary point of view, supplemented by visits to plants in operation in the immediate vicinity.

*Chemistry and Bacteriology*—In these subjects practice is given in the chemical and biological laboratories, the student is instructed in the methods of water analysis, and is taught to observe and identify the various organisms present in natural and contaminated waters ; the main object being to give such instruction as will enable the student to properly interpret the results of water analysis.

*Adjustment of Observations and Astronomy*—This course covers the adjustment of the usual class of precise field observations by the method of least squares, together with the methods of determining time, latitude, and azimuth adapted to the sextant and field transit.

*Roads and Pavements*—This course consists of a series of lectures on the different methods of road and pavement construction and their adaptability to varying local conditions.

**MECHANICAL ENGINEERING**—The objects aimed at in the plan of instruction in this course are, to give to the student a thorough training in elementary and advanced Mathematics and Physics, and their application to the science of construction; to make him familiar with the general principles of Engineering and with the practical details of mechanical construction through which these principles are made useful; and to enable him ultimately, in beginning the work of his profession, to bring to bear upon it a well-balanced store of theoretical and practical knowledge, and a mind trained in correct habits of thought and work.

The complete course covers five years, three of which are spent in undergraduate study, and two in a graduate course, a portion of which may be given to actual practical work. The subjects and methods of instruction in the undergraduate course are as follows:—

*Mathematics*—See Synopsis, page 217.

*French and German*—Students take the regular studies of the Junior and Senior classes in both French and German.

*Shop-Visiting* divides the time equally with Drawing in the second term of the Junior year. The student, accompanied by the instructor, is employed in studying machinery in use and in process of construction in different machine-shops in the city. He is required to make satisfactory, carefully dimensioned sketches, from measurements taken by himself, of the complete machines and their parts, and to describe the tools and mechanical operations used in producing the simpler pieces.

*Drawing*—Descriptive Geometry is taught in the drawing room by lectures and recitations, and by exercises at the drawing board, where the problems are solved graphically by the student. Instruction in drawing Machine Elements is given in the Junior year. Models and cartoons showing examples of approved practice are used by the instructor, who also gives personal attention to each student's work at the board as it progresses.

*Principles of Mechanism*—This is a course in theoretical and applied Kinematics. Instruction is by text-books and lectures, illustrated by diagrams and models, an extensive collection of which belongs to the School and is accessible to the student.

*Steam Engine*—Recitations and lectures in this subject relate to the structural details of engines and to the mechanical principles involved in their working. Particular attention is directed to various kinds of valve-gear, the governor, the fly-wheel, balancing, and the effect of the weight of the reciprocating parts. The study of steam boilers follows that of engines.

*Indicator Practice*—In the Senior year, the student is afforded opportunities to apply the indicator to various engines in operation, and has

practice in reading indicator cards and measuring them by the planimeter. He is taught to detect such defects in the engine as are shown by the cards.

*Applied Mechanics and Hydraulics*—In these courses lectures, recitations and exercises in the solution of practical problems, relate to the topics specified in the scheme on page 217.

*Thermodynamics*—Recitations and lectures on the mechanical theory of heat and its application to hot-air engines, gas engines, and the steam engine.

*Machine Design*—The course in this subject consists chiefly in practical exercises at the drawing board, and partly in lectures on the functions of machines and the mechanical principles which are applied in determining the proportions of machinery. The student, under the guidance of experienced instructors, is employed in making complete working-drawings of machines, many examples of which are in the drawing rooms and the basements of the School. He does not copy the examples, but is required to change the dimensions and in many cases to alter the design, and is ultimately taught to make partly new designs of important machinery, such as cranes, yacht engines, machine tools, boilers, etc. The discipline the student receives is such as he would obtain in the drawing office of an engineering establishment, while he is also carefully instructed in the theory of the subject he deals with, and in the practical bearing of all his work.

In the Senior year, several excursions may be made by the class, accompanied by one or more instructors, to neighboring manufacturing and engineering centers where large manufactories, pumping works, ocean steamers, etc., can be visited. In such excursions full notes must be taken, and a satisfactory written report upon the machinery examined be submitted.

**ELECTRICAL ENGINEERING**—This is necessarily a course in mechanical engineering, with a substitution of the essentials of electrical science in place of a portion of the work in that department. Thus what has been written concerning the studies of that course is equally applicable to the same studies in the electrical course. The work in electricity proper consists of three lectures each week and two recitations on the subjects then treated. With these the student is required to spend six hours each week in the physical laboratory. During the early portion of the laboratory course especial attention is given to the instruments and methods of physical investigation, and as soon as a sufficient knowledge of these is acquired the student applies it to the study of the electric and magnetic properties of matter and their application to the arts. A course of two hours per week during the second term is given in the theory and construction of dynamo-electric

machinery. A well-equipped laboratory, and a dynamo room with various examples of standard instruments and a large secondary battery, yield excellent facilities for this kind of instruction. Considerable additions to the apparatus are made every year.

**ASTRONOMY**—Students in the Select Course receive instruction in Astronomy four hours per week during the Winter half-term of Junior year.

Students of Civil and Sanitary Engineering during the second half of the second term of their Senior year have three recitations per week, and also practical experience in the determination of time, azimuth, latitude, longitude, etc.

**ENGLISH**—The courses are designed to give the student acquaintance with the great representative writers of the various epochs. The work of Freshman year, required of all, is general in scope, consisting of the history of the English language and a study of Shakespeare, Byron, Tennyson, and Browning.

English Literature is one of the prescribed studies in the Select Course. During the first term of Junior year, extracts from Early English authors are read and Early English Grammar is studied, so as to familiarize the student with the inflections then in use and the distinctions existing between the leading dialects. It is the aim of the term's work to give such knowledge of forms, and to some extent of words, that the student will be able to read at sight any Early English author whose writings do not involve special difficulties of language or vocabulary. For the rest of the course till the end of Senior year, the following authors are read: Chaucer, Bacon, Shakespeare, Milton, Dryden, Pope, Gray, Goldsmith, and later writers. Those mentioned in the list are always studied, but other authors not named are also taken up, the course varying somewhat in different years. In all cases, complete works of a writer are studied, not extracts; as, for instance, several of Chaucer's *Tales*, and several of the plays of Shakespeare. The authors are taken up in chronological order, and the literary history of the time is likewise carried on in connection with the great representative writers of each period.

**ENGLISH COMPOSITION**—Throughout Junior year English composition is required of all the class. During the fall term fortnightly lectures on the fundamental principles of writing alternate with fortnightly appointments for personal criticisms of the required themes. Selections from standard authors are read and analyzed.

During the last half of the year lectures are given on such subjects as "Business Letters and Circulars," "Editorial Writing," "Book

Criticisms," and "The Construction of Speeches." Themes under these and other heads are required of the class and are criticised individually by personal appointments with the instructors. Other lectures on description and narration are supplemented with assigned reading in representative prose authors. Some of the authors discussed are Lamb, Irving, Thackeray, Hawthorne, Poe, Stevenson, and Kipling. Considerable freedom is allowed to the individual student in choice of subject for themes and in method of treatment, and especial help is given to contributors to the different undergraduate publications. While the primary aim of the course is to impart the ability to write simple, forceful English, the attempt is also made to increase the student's knowledge of the best English prose and to enable him to criticise it intelligently.

**GERMAN AND FRENCH**—Each of these languages is studied for two years by every member of the School. That language which the student offers at his examination for entrance is studied until the end of Junior year. The other language is begun at the opening of Junior year and studied until the end of the course. Thus each student has either German or French during Freshman and Senior years, and both languages during Junior year.

**GERMAN**—This department has a twofold purpose, to prepare the student to use the language easily and intelligently for those purposes which his course may require, and to supplement the practical training of his special studies by securing some of the important disciplinary results of linguistic and literary study. A systematic and thorough study of the structure of the language is made the point of departure and essential basis for all work. This consists chiefly in the study of assigned texts, in written and oral translation into German, in translation at sight and in constant reading aloud, with the ultimate purpose of making the rendering into English unnecessary. In the work of translation careful attention is given to exactness and form of expression, and the student is made acquainted with the resources of his own language. The subjects of derivation, composition, and the relation of German and English are systematically studied with reference both to their practical aid in the acquisition of a vocabulary and to their scientific value in the establishment of correct ideas of the nature and growth of language. While it is not a primary aim, the course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts, both by instructor and student, and by oral exercises based on the reading of the day.

The cycle of texts used differs somewhat with each class. The plan is to familiarize the student with some of the best specimens of modern

prose and poetry, aiming in this selection to introduce him to a sufficient number and variety of works to overcome the usual difficulties of style and vocabulary, and give him some insight into the most important phases of German life and literature. With the more advanced divisions, towards the end of the course, some masterpiece of German literature is critically studied, and incidentally some knowledge is gained of the history and present state of German literature.

Opportunity for advanced or special work is offered as occasion requires.

**FRENCH**—The aim of the instruction in French is chiefly to give a ready and accurate reading knowledge of the language, such as will be of use to the student in scientific or other investigation, both while in the University and in after life. At the same time, most careful attention is devoted to imparting a correct pronunciation and to colloquial forms, so that, in case of foreign travel or subsequent pursuit of French studies, no time need be lost in the repetition of elementary work. The value of the course as a disciplinary drill and as a means to general culture is, moreover, always kept clearly in view.

With those beginning the subject, grammar is reduced to its simplest terms; only the grammatical forms (even these treated mainly as vocabulary) and the few main principles are insisted upon, without which no accurate translation is possible. Some continuous text of interesting character is taken up early in the first year. Then follows translation of representative authors, rather of the modern than older periods, alternating with prose composition, further acquirements in grammar, and such attention to the Latin origin of the language as may help to fix vocabulary in mind. A brief review of grammar is also a part of the work of the advanced classes at the opening of each year.

At the discretion of the instructor, the students sufficiently advanced take up a manual of French literature, in the French language, and while a dry list of names and dates is avoided, they are put in possession of such a connected account of the development of French life and letters and of the salient literary periods as will prove a valuable guide in future reading.

**SPANISH**—The aim of this course is to give the student the ability to read modern Spanish easily and accurately, in order that later he may be able to put this power to a practical use, either as a means of investigation, or (in the event of being thrown into personal relations with Spanish-speaking people) as a solid foundation for the attainment of speaking power.

Knapp's Spanish Grammar will be used. As soon as the first elements of grammar are mastered, reading will be commenced, and



thenceforth each lesson will be a combination of grammar work and reading of modern authors. In order to gain the reading power which is the object of this course, the student will be asked to acquire an accurate knowledge of the essential rules of grammar, and to gradually attain a vocabulary of common every-day words. A good pronunciation will also be insisted upon, because a good pronunciation aids greatly in the acquirement of a vocabulary, and will also be of practical use in case of travel in Spanish-speaking countries. At the end of the year an examination will be held, and those students whose work is of a high standard will receive honors in the subject.

**HISTORY**—Work in History is prescribed for all students in the Select Course during their Junior and Senior years. It is planned with some reference to the equipment of any student desirous of getting the best results from courses in political science, political economy, or literature.

**I. Junior Year.**—The aim of the first year's work is to give students an outline of the history of Western Europe from the declining years of the Roman empire—the epoch of the Germanic invasions—to about the close of the third quarter of the nineteenth century. Attention will be given all along to English history, but stress will be placed on the development of English institutions only from about 1500 onwards. The course will thus serve as a necessary introduction to American history. It is not intended that the student should acquire merely a mass of facts, but rather an understanding of the nature and causes of movements such as the development of the Frankish Kingdom, the Crusades, the growth of the Italian Communes, the Reformation, the Commercial Expansion of England, or Parliamentary reform. The following are the prescribed text-books: Prof. G. B. Adams's *Medieval and Modern History*, W. S. Dalgleish's *Periods of English History* (3 vols.), Emerton's *Mediæval Europe: 814-1300*; with select portions from some of the following: F. Seebohm's *Protestant Revolution*, Archbishop Trench's *Lectures on Gustavus Adolphus*, J. H. Rose's *Revolutionary and Napoleonic Era*, or W. A. Phillips' *Modern Europe, 1815-1899*. From time to time lists of readings intended to supplement the regular text-books will be posted, and books for these readings may be obtained either in the small class-room library of the Scientific School (Room 33, N. S. H.), or they will be reserved in the general reading room of the University Library. Students are expected to keep note-books. Some practice in historical map work will be given. Putzger's *Historischer Schul-Atlas* is required for the year's work.

**II. Senior Year**—The second year's work is a study of American history with particular reference to the constitutional development of

the United States for a century (1776-1876). By way of introduction, attention is first given to Colonial times before the Revolution—to some comparison of Colonial institutions as dependent on English influences, to the leading statesmen of the pre-Revolutionary era (English and American), and to the causes of the struggle for independence. The course is based on the following volumes: W. M. Sloan's *The French War and the Revolution*; Macdonald's *Select Documents of United States History* (1776-1861); Francis Walker's *The Making of the Nation* (1783-1817); Prof. J. W. Burgess's *The Middle Period* (1817-1858); and Woodrow Wilson's *Division and Re-Union* (1829-1889). Apart from the text-books every student is expected occasionally to draw a historical map. A distinct feature of the course is the extensive reading by the student with a view to class-discussion along selected lines. Topics are for the most part chosen from a pamphlet prepared by the instructor, and entitled *Topics and References in American History, 1600-1900*. The period of time covered by the course is comparatively limited, and much attention is given to class-room discussion.

In addition to the University Library, there is a small historical library in the recitation room from which the students may draw books.

**POLITICAL SCIENCE**—The course in history serves as a preparation for the course in Political Science. The subject is treated historically and comparatively. President Woodrow Wilson's *The State*, which is used as a text-book, is supplemented by lectures and collateral reading. The object constantly kept in view is to lead the student, through the study of other forms of government, to a broad and intelligent knowledge of the Constitution of the United States.

**POLITICAL ECONOMY**—In the beginning of the course, an effort is made to familiarize the students with the fundamental principles of Economics, and more particularly to train them in economic reasoning. Selected topics, such as money, banking, public finance, and industrial history, are then treated with more detail, and an opportunity is given to the members of the class to make a special study of subjects in which they may be interested. A small library, containing a number of copies of each of the principal authorities, has been provided, in order that the students may be able to familiarize themselves somewhat with the literature of the subject, without expense to themselves. The instruction is given partly by means of text-books and partly by lectures.

The **TERMS AND VACATIONS** correspond with those of the College. (See Calendar, p. 9.)

**EXPENSES**—The **TREASURER'S BILLS** are made out and delivered to the students three times a year, viz : at the beginning of each term or half-term, at which time they are payable. Drafts on Boston, New York, and Philadelphia are received at par. The annual charge for tuition for undergraduate students is \$150. An additional charge of \$5 for each term or half-term is made for incidentals, including the use of libraries, public rooms, gymnasium, and reading-room. The student in the Chemical, Metallurgical and Biological Courses has an additional charge of \$15 per term, or half-term, for chemicals and the use of apparatus in the chemical laboratories. He also supplies himself at his own expense with flasks, crucibles, etc., the cost of which should not exceed \$10 a term.

For graduate students the charge for tuition is one hundred dollars per year.

The fee for graduation as Bachelor of Philosophy, including the fee for Triennial Catalogues, Commencement Dinners, etc., is \$10, unless the person taking the degree is also an academical graduate, when it is \$5.

#### BUILDINGS AND APPARATUS

The five buildings in which the work of instruction in the Scientific School is mainly carried on are called Sheffield Hall, North Sheffield Hall, Sheffield Biological Laboratory, Winchester Hall, and Sheffield Chemical Laboratory. Instruction in Mineralogy, Geology, Petrology, and Zoology is given in the Peabody Museum, and in Free-Hand Drawing in the Art School ; while in Forestry, instruction is given at the Yale Forest School. These buildings contain a large number of recitation and lecture rooms, a hall for public assemblies and lectures, chemical, physical, biological, and metallurgical laboratories, besides studies for some of the professors, where their private technical libraries are kept.

The following is a summary statement of the collections belonging to the School :

1. Laboratories and Apparatus in the several branches of Chemistry, Metallurgy, Physics, Zoology, Botany, Mineralogy, Petrology, Comparative Anatomy, General Biology, Physiology, and Bacteriology.
2. Metallurgical Museum of Ores, Furnace Products, etc.
3. Agricultural Museum of Soils, Fertilizers, useful and injurious Insects, etc.
4. Collections in Zoology, Mineralogy, Petrology, and Comparative Anatomy.
5. Astronomical Observatory, with an equatorial telescope by Clark & Sons, of Cambridge, a meridian circle, etc.
6. A collection of Mechanical Apparatus and Machinery, including the "Collier Cabinet."
7. Models in Architecture, Geometrical Drawing, Civil Engineering, Topographical Engineering, and Mechanics; diagrams adapted to public lectures; instruments for field-practice.
8. Maps and Charts, topographical, geological, hydrographical, etc.
9. The herbarium of Professor Brewer is deposited in Sheffield Hall, while the herbarium and botanical library of the late Professor Eaton, generously given to the University by his family, are in the botanical laboratory, the east wing of Sheffield Hall, in a fire-proof room especially constructed for their safe-keeping.

#### BYERS MEMORIAL HALL

This building, a gift from Mrs. Martha F. Byers, of Pittsburg, Pa., in memory of Alexander MacBurney Byers, the husband of the donor, and their son, Alexander MacBurney Byers, Jr., a graduate of the School in the class of 1894, is now in process of erection on the corner of Grove and College streets, directly opposite Sheffield Hall.

The building is to be used for promoting the social and religious life of the Sheffield Scientific School, and will provide the comforts of a social club for all Scientific School students. The basement floor will contain billiard rooms, lunch room, toilet rooms with shower baths, and a publication office for the Scientific Monthly. The main floor of the building will contain a large library and reading-room, while on the opposite side of the hall will

be a large social room. On the second floor will be the rooms of the Young Men's Christian Association, with a large assembly hall for the various needs of the student-body. The upper floor of the building will be given up to students' rooms (fifteen in number), arranged around a large sitting room, thereby constituting a small dormitory.

The building will be administered under the advice of a board of six members, three from the Governing Board of the School and three from its graduates outside of this Board, chosen for their sympathy with the objects of the building and understanding of the needs connected therewith.

The active management of the building will be placed as far as practicable in the hands of a committee of students of the Sheffield Scientific School; the responsible control of the floor occupied by the Young Men's Christian Association to be in the hands of those members of the committee who are chosen by the students as representatives of the Young Men's Christian Association of the Sheffield Scientific School.

The building will be ready for occupancy by the opening of the Spring half-term, 1903.

The rooms of the Sheffield Young Men's Christian Association, located for the present year on the third floor of Sheffield Hall, are open every week-day from 8 A. M. until 6 P. M. Here there is a well furnished reading-room, easy of access for all Scientific School students.

#### TECHNICAL LIBRARIES

The Special Technical Library of the Scientific School consists of about five thousand volumes. Included in this is the HILLHOUSE MATHEMATICAL LIBRARY of twenty-four hundred volumes, collected during a long series of years by Dr. William Hillhouse, and in 1870 purchased and presented to the institution by Mr. Sheffield. A catalogue of this collection forms a supplement to the Annual Report

of the Governing Board of 1870. All the prominent scientific journals of this country and of Europe, together with the proceedings of foreign academies and scientific societies, can be found, either in this library or in the University Library, to which students have access.

There is also a SPECIAL CHEMICAL LIBRARY in the Sheffield chemical laboratory, in which the principal chemical journals and periodicals, both of this country, and of Europe, may be found; and a small library of History and Political Science is located in one of the class-rooms for the convenience of students pursuing the subjects. Private technical libraries on the subjects of Geology and Mineralogy are in the Peabody Museum, and under suitable restrictions may be used by students.

#### CHURCH SITTINGS

Free sittings for students in this department of Yale University are provided as follows: in the Center Church and United Church (Congregational); in Trinity Church and Christ Church (Episcopal); and in the First Methodist Church.

Those who prefer to pay for a sitting for one year, more or less, in the churches above mentioned, or in any other church of any denomination, may apply to the Director of the School.

Sittings in the gallery of the College Chapel (Battell Chapel) are free, as heretofore, to the students of this Department, Pews Nos. 230, 231, 248 and 249 in the West Gallery being reserved on Sundays for students of the Sheffield Scientific School.

#### DEGREES

Students of this Department, on the recommendation of the Governing Board, are admitted by the Corporation of Yale University to the following degrees:

1. BACHELOR OF PHILOSOPHY: This degree is conferred on those who complete any of the three-year courses of

study, passing all the examinations in a satisfactory manner.

2. **MASTER OF SCIENCE:** The requirements for this degree are stated on page 200.

3. **CIVIL ENGINEER AND MECHANICAL ENGINEER:** The requirements for these degrees are stated on pages 202 and 203.

4. **DOCTOR OF PHILOSOPHY:** The requirements for this degree are stated on page 200.

The degrees are publicly conferred by the President and Fellows of the University on Commencement Day.

### HONORS

**TWO-YEAR GENERAL HONORS** are awarded at the end of Senior year to those members of the class who have shown a high degree of proficiency in all the studies of their course during Junior and Senior years. A candidate for such honors must present, on or before June 10th of Senior year, a meritorious thesis on some subject approved by his Division Officer.

**ONE-YEAR GENERAL HONORS** are awarded at the end of Junior year to such students as have maintained a high standing for the year in all the studies of their course.

**SPECIAL HONORS** are awarded at the end of Junior and Senior years, to students not recipients of general honors who have shown special excellence in any particular study or studies. Seniors who are candidates for such honors must present an acceptable thesis unless excused by the Governing Board.

### SCHOLARSHIPS AND PRIZES

The **HOLMES SCHOLARSHIP**, founded by Samuel Holmes, Esq., amounts to fifty dollars per year. The recipient must be a citizen of Middlebury, Prospect, Waterbury, or Wolcott, Connecticut; the appointments are made by the Board of Agents of the Bronson Library in Waterbury.

The ROGERS SCHOLARSHIP, founded in 1899, by a gift of five thousand dollars from Mr. William A. Rogers (class of 1874) of Buffalo, New York, is awarded, whenever there is a vacancy, at the end of Junior year, to a student of the course in Biology or Chemistry who has attained high rank in the studies of the course. The annual income from this fund will be paid to the incumbent during his Senior year, and if the holder of the scholarship desires, he may retain the scholarship for one year of post-graduate study, providing he maintains, during Senior year, high rank in his studies.

The PAGE SCHOLARSHIPS, founded in 1901, in memory of Henry A. Page, a merchant of the city of New York, by his son (class of 1875), consist of the income of a fund of six thousand dollars. This income is loaned by the Director of the School in amounts of one hundred dollars annually to deserving members of the Junior and Senior classes.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY. Mrs. Eaton has given a fund of two thousand dollars to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship, in the graduate department, will be open for competition to members of the Senior classes in the Academical and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

SHEFFIELD GRADUATE SCHOLARSHIPS.—Six scholarships of one hundred dollars each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study. Each scholarship will be available for one year only. Application for these scholarships must be made in writing, on or before June



ist, to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

The **BLAKE STONE BREAKER PRIZE**, founded in 1902 by Henry T. Blake, Esq., representing the heirs of Eli W. Blake, of New Haven, as a memorial to Eli Whitney Blake, the inventor of the Blake Stone Breaker. This prize, consisting of not less than fifty dollars, is awarded to the author of any treatise deemed worthy of such award on some subject connected with Mining or Civil Engineering, and preferably with some branch of those pursuits in which the use of broken stone or ores is a material feature. In the award of said prize, preference shall be given to the work of students, graduate or undergraduate, in the Sheffield Scientific School.

The **BELKNAP PRIZE**, founded by William R. Belknap, Esq., of the class of 1869, is awarded for excellence in all the Natural History studies in Senior year.

**PRIZES** are also offered annually, to members of the Senior class, for excellence in Civil Engineering, in Mechanical Engineering, in Sanitary Engineering, and in Electrical Engineering; to members of the Junior and Senior classes in the Select Course, for excellence in History, as determined by special examination on assigned topics; to members of the Freshman class for excellence in all the studies of the year, in Physics, in German, in French, in English, in Chemistry, in Mathematics, and in Drawing.

The names of the three students of the Senior class most distinguished in the Department of Military Science are annually published in the United States Army Register.

In addition to the above the **UNIVERSITY PRIZES** mentioned in Part V of this Catalogue are open to the com-

petition of Sheffield students. There are also certain Scholarships open to undergraduate students in the College or the Scientific School. These are the Gaylord (p. 174), Mahlon Long (p. 184), and DeForest (p. 181).

# GRADUATE SCHOOL

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## FACULTY

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ARTHUR TWINING HADLEY, LL.D., PRESIDENT

ANDREW WHEELER PHILLIPS, PH.D., *Dean, and Professor of Mathematics*

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WILLIAM HENRY BREWER, PH.D., *Professor of Agriculture*

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*

JOSIAH WILLARD GIBBS, PH.D., LL.D., MATH.D., *Professor of Mathematical Physics*

JOHN FERGUSON WEIR, N.A., M.A., *Professor of Painting and Design*

CHARLES BRINCKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*

ARTHUR WILLIAMS WRIGHT, PH.D., *Professor of Experimental Physics*

THOMAS RAYNESFORD LOUNSBURY, LL.D., L.H.D., *Professor of English*

EUGENE LAMB RICHARDS, M.A., *Professor of Mathematics*

JOHN HENRY NIEMEYER, M.A., *Professor of Drawing*

TRACY PECK, LL.D., *Professor of Latin*

ADDISON EMORY VERRILL, M.A., *Professor of Zoology*

WILLIAM GRAHAM SUMNER, LL.D., *Professor of Political and Social Science*

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Philosophy*

CHARLES HENRY SMITH, LL.D., *Professor of American History*

SIDNEY IRVING SMITH, M.A., *Professor of Comparative Anatomy*

WILLIAM GILBERT MIXTER, M.A., *Professor of Chemistry*

HENRY PARKS WRIGHT, PH.D., LL.D., *Professor of Latin*

HENRY SHALER WILLIAMS, PH.D., *Professor of Geology*

HENRY AUGUSTIN BEERS, M.A., *Professor of English Literature*

AUGUSTUS JAY DUBOIS, C.E., PH.D., *Professor of Civil Engineering*

BERNADOTTE PERRIN, PH.D., LL.D., *Professor of Greek Literature and History*

EDWARD SALISBURY DANA, PH.D., *Professor of Physics*

- THOMAS DAY SEYMOUR, LL.D., *Professor of Greek*  
CHARLES SHELDON HASTINGS, PH.D., *Professor of Physics*  
FRANK AUSTIN GOOCH, PH.D., *Professor of Chemistry*  
ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of English*  
WILLIAM BEEBE, M.A., *Professor of Mathematics and Instructor in Astronomy*  
GEORGE BURTON ADAMS, PH.D., *Professor of History*  
SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music*  
HENRY WALCOTT FARNAM, R.P.D., *Professor of Political Economy*  
EDWARD PARMELEE MORRIS, M.A., *Professor of Latin*  
HENRY ROSEMAN LANG, PH.D., *Professor of Romance Philology*  
RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry*  
SAMUEL LEWIS PENFIELD, M.A., *Professor of Mineralogy*  
HORACE LEMUEL WELLS, M.A., *Professor of Analytical Chemistry and Metallurgy*  
THOMAS DWIGHT GOODELL, PH.D., *Professor of Greek*  
CHARLES EMERSON BEECHER, PH.D., *Professor of Paleontology*  
EDWARD WASHBURN HOPKINS, PH.D., LL.D., *Professor of Sanskrit and Comparative Philology*  
ARTHUR HUBBELL PALMER, M.A., *Professor of German*  
HORATIO MCLEOD REYNOLDS, M.A., *Professor of Greek*  
FREDERICK MORRIS WARREN, PH.D., L.H.D., *Street Professor of Modern Languages*  
GEORGE MARTIN DUNCAN, LL.D., *Professor of Philosophy*  
E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*  
Rev. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology*  
LOUIS VALENTINE PIRSSON, M.A., *Professor of Physical Geology*  
EDWARD GAYLORD BOURNE, PH.D., *Professor of History*  
GUSTAV GRUENER, PH.D., *Professor of German*  
CHARLES CUTLER TORREY, PH.D., *Professor of Semitic Languages*  
HORATIO WILLIAM PARKER, MUS.D., *Professor of Music*  
WILBUR LUCIUS CROSS, PH.D., *Professor of English*  
JOHN CHRISTOPHER SCHWAB, PH.D., *Professor of Political Economy*  
CHARLTON MINER LEWIS, PH.D., *Professor of English*  
WILLIAM LYON PHELPS, PH.D., *Professor of English Literature*

ROBERT NELSON CORWIN, PH.D., *Professor of German*  
IRVING FISHER, PH.D., *Professor of Political Economy*  
JAMES PIERPONT, PH.D., *Professor of Mathematics*  
HANNS OERTEL, PH.D., *Professor of Linguistics and Comparative Philology*  
PERCEY FRANKLYN SMITH, PH.D., *Professor of Mathematics*  
CHARLES FOSTER KENT, PH.D., *Professor of Biblical Literature*  
HENRY SOLON GRAVES, M.A., *Professor of Forestry*  
HENRY CROSBY EMERY, PH.D., *Professor of Political Economy*

## OTHER INSTRUCTORS

JOHN CHESTER ADAMS, B.A., *Tutor in English*  
WILLIAM GILBERT ANDERSON, M.D., *Associate Director of the Gymnasium*  
Rev. BENJAMIN WISNER BACON, LITT.D., D.D., *Professor of New Testament Greek*  
WILLIAM BACON BAILEY, PH.D., *Instructor in Statistics and Sociology*  
ERNEST HICKOK BALDWIN, PH.D., *Lecturer in History*  
SAMUEL EBEN BARNEY, C.E., *Assistant Professor of Civil Engineering*  
PAUL VICTOR CHRISTOPHER BAUR, PH.D., *Instructor in Archaeology*  
EDWARD AUGUSTUS BOWERS, B.A., *Lecturer in Forest Law*  
PHILIP EMBURY BROWNING, PH.D., *Assistant Professor of Chemistry*  
HENRY ANDREWS BUMSTEAD, PH.D., *Assistant Professor of Physics*  
WILLIAM CHURCHILL, PH.D., *Tutor in Philosophy*  
CHARLES CAMERON CLARKE, JR., B.A., *Instructor in French*  
WESLEY ROSWELL COE, PH.D., *Assistant Professor of Comparative Anatomy*  
WILLIAM JAMES COMSTOCK, PH.B., *Instructor in Organic Chemistry*  
Rev. EDWARD LEWIS CURTIS, PH.D., D.D., *Professor of Hebrew*  
HENRY DAVIES, PH.D., *Lecturer on Aesthetics and Medieval Philosophy*  
SHERWOOD OWEN DICKERMAN, B.A., *Tutor in Greek*  
GEORGE FRANCIS EATON, PH.D., *Instructor in Osteology*  
ALEXANDER WILLIAM EVANS, PH.D., *Assistant Professor of Botany*  
CLIVE DAY, PH.D., *Assistant Professor of Economic History*  
HARRY BURR FERRIS, M.D., *Hunt Professor of Anatomy*  
HARRY WARD FOOTE, PH.D., *Instructor in Physical Chemistry*

- WILLIAM EBENEZER FORD, JR., PH.B., *Assistant in Mineralogy*  
CLYDE CHEW GLASCOCK, PH.D., *Instructor in German*  
WILLIAM ANTHONY GRANVILLE, PH.D., *Instructor in Mathematics*  
HERBERT ERNEST GREGORY, PH.D., *Assistant Professor of Physiography*  
HERBERT EDWIN HAWKES, PH.D., *Instructor in Mathematics*  
EARLE RAYMOND HEDRICK, PH.D., *Instructor in Mathematics*  
WILLIAM MILTON HESS, PH.D., *Lecturer in Philosophy*  
JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*  
HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the  
Theory of Music, and Instructor in Organ-Playing.*  
CHARLES HUBBARD JUDD, PH.D., *Instructor in Psychology*  
ALBERT GALLOWAY KELLER, PH.D., *Assistant Professor of the Science  
of Society*  
ANDREW KEOGH, *Lecturer on Bibliography*  
HENRY STANLEY KNIGHT, *Instructor in Piano-Forte Playing*  
HENRY BARRETT LEARNED, M.A., *Instructor in History*  
Rev. FREDERICK LENT, M.A., *Instructor in Biblical Literature*  
FREDERICK BLISS LUQUIENS, B.A., *Instructor in French*  
GEORGE GRANT MACCURDY, M.A., *Lecturer in Anthropology*  
CLOYD NORTH MCALLISTER, PH.D., *Lecturer on Experimental Peda-  
gogy, and Assistant in the Psychological Laboratory*  
KENNETH MCKENZIE, PH.D., *Instructor in Romance Languages*  
LAFAYETTE BENEDICT MENDEL, PH.D., *Assistant Professor of Physi-  
ological Chemistry*  
GEORGE REDINGTON MONTGOMERY, PH.D., *Lecturer in Philosophy*  
JOHN PEASE NORTON, PH.D., *Instructor in Political Economy*  
CHARLES GROSVENOR OSGOOD, PH.D., *Tutor in English*  
WILLIAM MELVILLE PATTON, PH.D., *Instructor in Biblical Literature*  
Rev. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Professor of Biblical  
Theology*  
MILTON BROCKETT PORTER, PH.D., *Assistant Professor of Mathematics*  
EDWARD BLISS REED, PH.D., *Assistant Professor of English*  
OLIVER HUNTINGTON RICHARDSON, PH.D., *Assistant Professor of  
History*  
HENRY HOLLISTER ROBINSON, PH.B., *Instructor in Geology*  
STUART HENRY ROWE, PH.D., *Lecturer on Pedagogy*  
ROBERT LOUIS SANDERSON, M.A., *Assistant Professor of French*

RUDOLPH SCHWILL, PH.D., *Instructor in Spanish*

EDWARD WHEELER SCRIPTURE, PH.D., *Assistant Professor of Experimental Psychology, and Director of the Psychological Laboratory*

JAY WEBBER SEAVER, M.D., *Associate Director of the Gymnasium*

THOMAS CALHOUN STEARNS, PH.D., *Lecturer in Ancient Philosophy*

GEORGE BARKER STEVENS, PH.D., LL.D., *Professor of Systematic Theology*

LEONARD MERRILL TARR, M.A., *Lecturer on Meteorology*

WILLIAM JAMES TAYLOR, PH.D., *Lecturer on the History of Pedagogy*

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

HON. WILLIAM KNEELAND TOWNSEND, D.C.L., *Professor of Contracts, Patents, and Admiralty Jurisprudence*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music, and Instructor in Violin-Playing*

WILLISTON WALKER, PH.D., D.D., *Professor of Ecclesiastical History*

PHILIP PATTERSON WELLS, PH.D., *Lecturer in History*

HENRY LORD WHEELER, PH.D., *Assistant Professor of Organic Chemistry*

FREDERICK WELLS WILLIAMS, B.A., *Assistant Professor of Modern Oriental History*

EDWIN BIDWELL WILSON, PH.D., *Instructor in Mathematics*

## ADMINISTRATIVE COMMITTEE,

## WITH CONSULTATION HOURS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT,

Woodbridge Hall, daily, 8.30 A. M. to 1 P. M.

ANDREW WHEELER PHILLIPS, PH.D., DEAN, *and Professor of Mathematics*, 90 High street, daily, except Saturday, 10.30 A. M. to 12 M.

ARTHUR MARTIN WHEELER, LL.D., *Professor of History*,

C, Osborn Hall, Monday, Tuesday, Thursday, and Friday,  
11 A. M.

CHARLES BRINCKERHOFF RICHARDS, M.A., *Professor of Mechanical Engineering*, 112 Winchester Hall, Tuesday and Friday,  
10.30 to 11 A. M.

Rev. GEORGE TRUMBULL LADD, D.D., LL.D., *Professor of Philosophy*,  
275 Lawrance Hall, Monday and Thursday, 12 M.

THOMAS DAY SEYMOUR, LL.D., *Professor of Greek*,  
22 Phelps Hall, daily, 11 A. M. to 12 M.

ALBERT STANBURROUGH COOK, PH.D., L.H.D., *Professor of English*,  
219 Bishop street, Monday and Thursday, 1.30 P. M.

HENRY WALCOTT FARNAM, R.P.D., *Professor of Political Economy*,  
43 Hillhouse av., daily, except Saturday, 2 to 3 P. M.

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiological Chemistry, and Director of the Sheffield Scientific School*, 3 Sheffield Hall,  
daily, except Friday, 10 A. M. to 12 M.

Rev. FRANK KNIGHT SANDERS, PH.D., D.D., *Professor of Biblical History and Archaeology, and Dean of the Divinity School*, 615 East Divinity Hall, daily, 10 A. M. to 12.30 P. M.



## GENERAL STATEMENT

### ORGANIZATION

The Graduate School of Yale University is a section of the Department of Philosophy and the Arts, which was first formally organized in 1847 for scientific and graduate instruction, but now includes Yale College, the Sheffield Scientific School, the School of the Fine Arts, the Department of Music, and the Forest School.

The degrees of Doctor of Philosophy and Civil Engineer were first offered in 1860, the degree of Dynamical or Mechanical Engineer in 1873, that of Master of Arts (previously given without evidence of study) in 1874, and that of Master of Science in 1897.

The professors in the several sections of the Department of Philosophy and the Arts together constitute the Faculty of the Graduate School. The general oversight of graduate instruction and graduate students is entrusted to the Dean and the Administrative Committee, who may be called upon for information and advice. Students are expected to report to the Dean soon after reaching New Haven.

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### ADMISSION AND REGISTRATION

Graduates of this and other Colleges and Universities, and (in exceptional cases, by special permission) other persons of liberal education, who are at least eighteen years old, are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

All graduate students who are not regularly enrolled in any other department of the University are required to register their names at the office of the Dean at the beginning of each year of study.

The degree of Doctor of Philosophy, with the courses of the Graduate School leading thereto, is open to candidates without distinction of sex.

### FEEES AND EXPENSES

The fee for instruction is generally one hundred dollars per year ; but it may be more, or less, according to the courses pursued and the amount of instruction received.

A special fee of five dollars is charged to those who use the Gymnasium, and one of two dollars to those admitted to the use of the College Reading-room.

Board is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

A list of suitable rooms is kept at the Dean's office.

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### INSTRUCTION

Courses of study are offered in the following departments :

- I. PSYCHOLOGY, ETHICS, AND PHILOSOPHY.
- II. ECONOMICS, SOCIAL SCIENCES, HISTORY, AND LAW.
- III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE.
- IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY.
- V. MODERN LANGUAGES AND LITERATURES.
- VI. NATURAL AND PHYSICAL SCIENCE.
- VII. MATHEMATICS.
- VIII. THE FINE ARTS.
- IX. MUSIC.
- X. PHYSICAL EDUCATION.

Instruction is given partly by lectures, partly in recitations and by oral and written discussions, partly by directing courses of reading, and partly by the direction of work in the laboratories and with instruments.

The attention of teachers who desire to fit themselves more thoroughly for a higher grade of professional work is called to the advantages offered by this department for pedagogical instruction and discipline. In addition to the special and advanced study of the subjects in which the

graduate student desires instruction, and the pursuit of courses in psychology, ethics, philosophy, and of other courses cognate with pedagogy, opportunity is afforded to observe the actual practice in the class-room, as well as the organization of the different departments of the University and their methods of work.

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#### CLUBS FOR RESEARCH

In various voluntary associations, instructors and students meet periodically for the reading of papers, oral discussions, etc.; such are :

The CLASSICAL CLUB.

The MATHEMATICAL CLUB.

The POLITICAL SCIENCE CLUB.

The PHILOSOPHICAL CLUB.

The SEMITIC AND BIBLICAL CLUB.

The BIBLICAL RESEARCH CLUB.

The MODERN LANGUAGE CLUB.

The GERMAN JOURNAL CLUB.

The ENGLISH CLUB.

The PHYSICS JOURNAL CLUB.

The ENGINEERS' CLUB.

The CHEMICAL CLUB.

The HISTORICAL CLUB.

The PHYSICAL CLUB.

The GEOLOGICAL CLUB.

The BIOLOGICAL CLUB.

The KENT LABORATORY JOURNAL CLUB.

The ANTHROPOLOGY CLUB.

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#### DEGREES

The DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination .

on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another University may take the place of a year's residence here. The thesis must be deposited at the Library for public inspection, not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. Evidence of sufficient attainments in these languages must be furnished the Dean at least two years before the degree is given. The fee for instruction is one hundred dollars per year. The fee for graduation is ten dollars.

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The DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of Yale College (and on Bachelors of Arts of other colleges whose course of study is equivalent to that of Yale College), who have given to the College Faculty evidence of satisfactory progress in liberal studies after receiving their first degree. Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the College Faculty, followed by an examination. Graduates of other colleges can obtain the degree only by residence as thus described. The charge for instruction is usually one hundred dollars per year, with a fee of ten dollars for the degree.

Such Bachelors of Arts *of Yale College* as may not choose to reside at the College for study may at any time not less than three years after graduation, show, in either of the two following ways, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree. (1) Such candidates may apply to the Faculty for the designation of a course of study, on which an examination shall be taken. This

application must be accompanied by a fee of twenty-five dollars. (2) Or a candidate may submit as evidence of his fitness for this degree a printed essay, for the examination of which a fee of twenty-five dollars (to be paid in advance) is required. An additional fee of ten dollars will be charged in all cases for the degree.

A committee of the Faculty is appointed (consisting for the present year of Professors Wheeler and Phillips), to whom candidates for this degree must submit their proposed courses of study for approval by the end of October in each year; and the evidence of a year's study must be submitted to the same committee by June 1.

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The DEGREE OF MASTER OF SCIENCE is conferred on graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science and who pursue successfully a higher course of study in science under the direction of the Governing Board of the Sheffield Scientific School. Such a course involves at least one year of resident graduate study, followed by an examination and presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed, to whom candidates for this degree must submit their proposed courses of study for approval before the end of October of each year.

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The DEGREES OF CIVIL ENGINEER AND OF MECHANICAL ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course under the direction of the Governing Board of the Sheffield Scientific School for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations. The fee for graduation is five dollars.

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## FELLOWSHIPS

FIVE FELLOWSHIPS yielding four hundred dollars each, not exempting the holders from charges for tuition, are open to graduates of all colleges; but preference is given to those who have already spent at least one year in graduate study, and have shown capacity for original work.

The BULKLEY FELLOWSHIP IN AMERICAN HISTORY was established in 1901 by the gift of ten thousand dollars from Mr. Jonathan Bulkley, of the class of 1879, and other members of his family, in memory of Helena Perry Bulkley. The income, four hundred dollars, is awarded annually to a student of high character and marked ability, who will pursue graduate studies in American History or Administration under the direction of the Professors of History.

The HENRY C. ROBINSON FELLOWSHIP was founded in 1900 in the name of Mrs. Mary Robinson Cheney, of Hartford, Conn., and her sister, Miss Eliza Robinson, in memory of their uncle, Henry C. Robinson, of the class of 1853, by the gift of five thousand dollars. The income is awarded annually to a student of the Graduate School, selected on the ground of ability and attainments.

The JOHN ADDISON PORTER MEMORIAL FELLOWSHIP was established in 1901 by Mrs. Josephine S. Porter, in memory of her husband, Professor John Addison Porter, of the class of 1842, and of her son, John Addison Porter, of the class of 1878, by the gift of ten thousand dollars. The income is awarded annually to a graduate of the Academic Department or of the Sheffield Scientific School, selected for distinguished excellence and promise in the Department of English.

The LOOMIS FELLOWSHIP in Physics was established in 1902, by Professor Francis E. Loomis, Class of 1864, Yale College, by the gift of ten thousand dollars. This Fellowship is open to the graduates of the Scientific and Academic Departments of Yale University, and to gradu-

ates of other Universities who have spent at least one year in the study of Physics, in the Graduate School of Yale. It is granted to the candidate who passes the best competitive examination in Physics, (descriptive, mathematical, and laboratory practice). The holder of this fellowship must be a candidate for the degree of Doctor of Philosophy, and must make Physics his chief study.

The CLASS OF '90 FELLOWSHIP, yielding one hundred and fifty dollars, is awarded to a student who has shown ability to do research-work.

The YALE ALUMNI ASSOCIATION OF CALIFORNIA FELLOWSHIP of three hundred dollars is given to a graduate of one of the California Universities, pursuing studies at Yale in the Graduate School. The incumbent is selected by the Association.

The following Fellowships are, by the terms of the donations, open only to graduates of Yale College.

The DOUGLAS FELLOWSHIP.

The SOLDIERS' MEMORIAL FELLOWSHIP.

The SILLIMAN FELLOWSHIP.

The JOHN SLOANE FELLOWSHIP.

The SCOTT HURTT FELLOWSHIP.

The ELLEN BATTELL ELDRIDGE FELLOWSHIPS (two).

The MACY FELLOWSHIP.

The LARNED FELLOWSHIPS (three).

The FOOTE FELLOWSHIPS (three).

The CUYLER FELLOWSHIP.

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### SCHOLARSHIPS

TWENTY SCHOLARSHIPS, yielding one hundred dollars each, are open to graduates of all colleges.

The following Scholarships are open only to graduates of Yale College.

The CLARK SCHOLARSHIPS, and

The W. W. DE FOREST SCHOLARSHIP.

The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars given by Mrs. Eaton in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship will be open for competition to members of the Senior classes in the Academical and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

SIX SHEFFIELD SCHOLARSHIPS of \$100 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study in the School. Each scholarship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

Candidates for appointment to Fellowships and Scholarships should send their applications, accompanied by letters of recommendation and other evidence of the excellence of their work already accomplished, to the Dean, Professor Andrew W. Phillips, not later than April 15.

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The ARTHUR TWINING HADLEY SCHOLARSHIP yields an income of \$225 a year, which sum is awarded annually to one or more students of the University, to assist in the publication of meritorious theses or other results of investigation.

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The sum of fifty dollars is appropriated by the University towards defraying the cost of publication of each thesis submitted for the degree of Doctor of Philosophy, which is recommended for such purpose by the expert



readers of the thesis in question, provided such thesis is actually published, in separate form, by the first day of January following the graduation of the candidate, and that fifty copies have been presented to the University.

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### COURSES OF INSTRUCTION

Courses marked with an asterisk (\*) are undergraduate courses ; they are open to graduate students who have the consent of the instructor and the approval of the Faculty.

The number of hours stated means, when not otherwise specified, hours of exercise, lectures, or recitations, each week through the year.

## COURSES OF INSTRUCTION

### I. PHILOSOPHY

GEORGE T. LADD, D.D., LL.D.	GEORGE B. STEVENS, Ph.D., D.D.
E. WASHBURN HOPKINS, LL.D.	GEORGE M. DUNCAN, LL.D.
E. HERSHEY SNEATH, Ph.D.	EDWARD W. SCRIPTURE, Ph.D.
CHARLES H. JUDD, Ph.D.	WILLIAM CHURCHILL, Ph.D.
HENRY DAVIES, Ph.D.	THOMAS C. STEARNS, Ph.D.
STUART H. ROWE, Ph.D.	CLOYD N. McALLISTER, Ph.D.
GEORGE R. MONTGOMERY, Ph.D.	WILLIAM M. HESS, Ph.D.
WILLIAM J. TAYLOR, Ph.D.	

COURSES IN THIS DEPARTMENT are offered in Introduction to Philosophy, Psychology, Logic and Epistemology, Ethics, Aesthetics, Metaphysics, Philosophy of Religion, Pedagogics, History of Philosophy, and Philosophical Criticism.

For COGNATE COURSES, of especial value to students in this Department, in Physiology, Histology and Biology, see course VI, 61 f.; in Anthropology and Social Science, see course II, 1 f.; in Evolution, see courses II, 36, and VI, 55, 59; in Chemical Theory, see course VI, 29; and in Plato, see course IV, 7 and 16.

The PHILOSOPHICAL SEMINARY ROOM, 4 Herrick Hall, is fitted up for the use of graduate students in Philosophy. It contains the Departmental Library, and may be utilized for purposes of study at all times. Keys are furnished on application to Professor Ladd to all graduate students taking courses in the department.

The HEALY PHILOSOPHICAL LIBRARY, founded by a gift of \$10,000 from Mrs. Susie Healy Camp, of Hartford, as a memorial of her father, William Arnold Healy, is a departmental library for the Department of Philosophy. It is placed in the Philosophical Seminary room, and consists of 1,200 volumes, to which additions are constantly being made, besides the current philosophical and psychological

periodicals. It aims to afford all the advantages of a well-selected consulting library for the students of philosophy.

The PSYCHOLOGICAL LABORATORY of the Department is thoroughly equipped for both instruction and original research. In addition to the provisions for work in experimental psychology, there are sections for experimental pedagogy and experimental phonetics. Each student pursuing investigations is assigned a desk and an allotment of space and apparatus. An annual publication, the *Studies from the Yale Psychological Laboratory*, the eighth volume of which has just been issued, contains the results of all researches carried on in the laboratory.

The PHILOSOPHICAL CLUB, composed of the instructors in the Department and all graduate students who take courses in philosophy, holds regular meetings fortnightly, on Tuesday evening. It is designed to afford opportunity both for the presentation and discussion of the results of original research by its members, and also for hearing addresses and papers from distinguished authorities on philosophical subjects, who are not connected with the Department as teachers. Addresses have been delivered before the Club by Professors Lloyd Morgan, John Watson, W. T. Harris, J. G. Schurman, William James, J. McKeen Cattell, Josiah Royce, Borden P. Bowne, James H. Hyslop, William Caldwell, John Dewey, and others.

#### INTRODUCTION TO PHILOSOPHY

Professor LADD and Dr. HESS :—

\*1 *Introduction to Philosophy.* 3 hrs.

Two of the hours will consist chiefly of lectures, and the third hour of papers and discussions of the class.

[See Course XIX B 1, page 131.]

Professor DUNCAN :—

[2 *Encyclopaedia of Philosophy.*

A series of informal lectures on the study of philosophy, and the literature of its various branches.

Omitted in 1902-1903.]

## PSYCHOLOGY

Professor LADD :—

3 *Psychological Theory.* 2 hrs.

The principal topics of psychology will be discussed with a view to the formation of an intelligent and comprehensive theory of the Mind's nature and development. Among these topics especial attention will be given to the following: the nature and method of psychology; the doctrine of faculties, and the primary laws of attention, association, memory, and reasoning; the constitution of the Mind and the laws of its evolution; the relations of body and mind; and, finally, the problems offered by the reality, unity, and self-identity of conscious mental life, and the conception of personality arising therefrom. The exercises will consist, in general, of a lecture, to be followed by papers and discussions by the class.

[4 *Abnormal Psychology.* 1 hr.

This course of lectures discusses the phenomena of illusions and hallucinations, the physiological changes and mental states in sleep, and in hypnotic, somnambulistic, and other allied conditions. The theory of illusions and hallucinations is discussed in detail.

Omitted in 1902-1903.]

Assistant Professor SCRIPTURE :—

\*5 *Psychology (Physiological and Experimental).* 2 hrs.

[See Course XIX A 5, page 130.]

\*6 *Psychology (Elementary Laboratory Course).* 3 hrs.

[See Course XIX A 9, page 131.]

Assistant Professor SCRIPTURE and Dr. McALLISTER :—

7 *Psychology (Advanced Laboratory Course).* 3 hrs.

A series of exercises in experimental psychology to be performed by the student, affording a practical training in laboratory manipulation. Text-book: Scripture's *Elementary Course in Psychological Measurements*.

Assistant Professor SCRIPTURE :—

8 *Psychology (Research).* 4 hrs.

Students of psychology who have taken or are taking courses 5 and 6 may take part in investigations. Those who have taken

or are taking course 7 also and have shown the necessary qualifications of an investigator are permitted to undertake independent investigations. Special arrangements are made for candidates for the degree of Doctor of Philosophy. The results of all investigations belong to the archives of the laboratory. Those who undertake investigations thereby agree to prepare the results for publication, subject to approval, in the *Studies from the Yale Psychological Laboratory*.

9 *Psychology (Technical Course).* 1 hr.

This course consists of a series of exercises for those who expect to teach experimental psychology and to manage a laboratory. The instruction covers: the principles involved in making, repairing, and caring for apparatus, with practical training in wood and metal work; the methods of experimental demonstration, with practice in the preparation of lantern slides and the use of lime-light and electric lanterns; the principles of laboratory economy, etc. The workshop practice will be cared for by a special instructor. The student is expected to make several pieces of apparatus involving the use of the lathe and the various small tools. He is urged to become sufficiently familiar with apparatus and lantern-work to give successfully an illustrated lecture; practice lectures will be held and subjected to criticism.

10 *Experimental Phonetics.* 1 hr. [or 2 hrs.]

Lectures, laboratory exercises and readings in the application of experimental methods to the study of language, song, rhythm and verse, including a careful study of the action of the vocal organs in producing English, German and French sounds and of the acoustic nature of these sounds as determined by recent investigations. This course is especially recommended to students of the languages and vocal music. [An extra hour of practical exercises in the use of phonetic apparatus and methods is offered to those taking this course.] Text-book: Scripture's *Elements of Experimental Phonetics*.

(See also course IV, 58, in Phonetics by Professor Oertel.)

11 *Experimental Phonetics (Research).*

Properly qualified students of any department who wish to use the laboratory's apparatus for research may make special arrangements. The laboratory possesses all the standard apparatus of experimental phonetics and two machines for tracing off

speech records. The large collection of unstudied tracings of song and speech, of prose and verse, and of instrumental music may be used by students preparing theses in phonetics, modern languages, vocal music and acoustics.

Drs. JUDD and CHURCHILL :—

- \*12 *Elements of Psychology.* 2 hrs.  
[See Course XIX A 4, page 130.]

Dr. JUDD :—

- 13 *Genetic Psychology.* 1 hr.

A course of lectures on the methods and results of psychological study of animals, primitive races and children. The aim of this comparative study is the discovery of general principles of mental development.

For other courses dealing with Psychology, see courses 14, 15, 20, 25, 35, 46 and 48.

#### ETHICS

Professor LADD :—

- \*14 *Elements of Ethics.* 1 hr.  
[See Course XIX A 3, page 129.]

Professor SNEATH :—

- 15 *Systematic Ethics.* 2 hrs.

A study of the main problems of the philosophy of conduct—the nature of the moral self, the freedom of the will, the nature and grounds of moral relations, etc. Portions of the following works will be studied: Sidgwick's *Methods of Ethics*, Mill's *Utilitarianism*, Martineau's *Idiopsychological Ethics*, Paulsen's *A System of Ethics*, and Ladd's *The Philosophy of Conduct*.

- [16 *History of Modern Ethics.* 2 hrs.

An historical and critical study of modern ethical theories from Hobbes to the present time. The course will deal primarily with British ethics. However, German ethics from Kant to Schopenhauer will be carefully considered. Lectures and elaborate papers.

Omitted in 1902-1903.]

17 *Ethical Seminary.* 2 hrs.

Research work along specific ethical lines will constitute the work of the seminary, the subjects varying from year to year. For the year 1902-1903 the subject of investigation will be the doctrine of the freedom of the will in pre-Kantian Modern Philosophy.

18 *Modern Political Philosophy.* 2 hrs.

A study of the development of reflective thought in Modern Philosophy on the questions of the origin, nature, functions, forms, and ends of civil government. The following works will be read: Hobbes' *Leviathan*; Spinoza's *Tractatus Politicus*; Locke's *Essays on Civil Government*; Rousseau's *Social Contract*; Bentham's *Fragment of Government*; and Hegel's *Philosophy of Right*.

For other courses dealing with Ethics, see courses 1, 45*b*, 46 and 48.

#### LOGIC AND EPISTEMOLOGY

Professor DUNCAN and Dr. CHURCHILL:—

\*19 *Elements of Logic and Epistemology.* 2 hrs.

[See Course XIX A 6, page 130.]

Professor DUNCAN:—

20 *Epistemology.* 2 hrs.

The nature and conditions of formal truth will be studied in connection with the reading of an advanced work on logic, such as Hobhouse's *Theory of Knowledge*. This will be followed by a study of the psychology of knowledge and by an examination of the nature, limits, and grounds for the validity of our knowledge of reality. Professor Ladd's *Philosophy of Knowledge* will be read in connection with the latter part of the course.

[21 *Philosophical Scepticism.* 2 hrs.

An historical and critical examination of scepticism as revealed in the history of speculative thought, with especial reference to the determination of the causes, grounds, and limits of scepticism, and the construction of a valid theory of knowledge. The course will include a study of the scepticism of the Sophists; the Earlier and Later Pyrrhonists; the Middle and New Acad-

emies ; the scepticism of Augustine and Descartes ; of Hume and Kant ; the positivism of Comte, Mill, and Lewes ; the relativism of Hamilton and Mansel ; and the agnosticism of Spencer, etc. Particular attention will be given to sensationalism and error.

Omitted in 1902-1903.]

Dr. JUDD :—

22 *Scientific Method.* 1 hr.

A course in the methods of the sciences with especial reference to the assumptions and criteria of inductive reasoning.

For other courses dealing with Epistemology, see courses 1, 39, 45*a* and 46.

#### AESTHETICS

Dr. DAVIES :—

23 *Aesthetics.* 1 hr.

The object of this course is to review the history of thought on the subject of the beautiful ; to give a philosophical account of the foundations upon which the arts rest ; and to study scientific theory of art in its relation to general philosophical system. Bosanquet's *History of Aesthetics*, Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, are read in connection with the course.

For other courses dealing with Aesthetics, see courses 1 and 48.

#### METAPHYSICS

Professor LADD :—

[24 *Systematic Metaphysics.* 2 hrs.

The principal metaphysical conceptions—such as Space, Time, Causation, Number, Substance, Quality, Relation, etc.—will be thoroughly discussed ; and the attempt will be made to unite them in a harmonious view of the physical world and of human life. This will involve a careful study of such themes as Matter and Spirit, Change and Development, the Absolute and the Relative, and God and the World. Most of the work will be research, to be done by the class and presented in the form of elaborate papers for criticism and discussion.

Omitted in 1902-1903.]



Dr. JUDD :—

25 *Philosophy of Mind.* 2 hrs.

Beginning with the facts and laws established by empirical psychology, this course aims at the construction of a metaphysic of mind. The following are some of the subjects to be treated: The concept of mind; the reality, nature, genesis, and destiny of mind; the relations of mind and body; materialistic objections, etc. The course will be based on Ladd's *Philosophy of Mind*.

Dr. CHURCHILL :—

26 *Philosophy of Nature.* 2 hrs.

In this course the general relations of philosophy to the physical and natural sciences will be considered; and the history of the development of the principal conceptions of these sciences will be briefly traced. An attempt will also be made to estimate critically the meaning and value of these same conceptions from the standpoint of philosophy. Especial attention will be given to the discussions of Karl Pearson and Ostwald, and, toward the end of the course, to the bearing of the modern doctrine of Evolution upon philosophical tenets and upon the growth of philosophical system. The method of instruction will combine lectures by the instructor with papers and discussion by the class.

For other courses dealing with Metaphysics, see courses 1, 3, 43, 46 and 48.

#### PHILOSOPHY OF RELIGION

Professor LADD :—

27 *Philosophy of Religion.* 2 hrs.

In this course a thorough examination will be made of all the principal facts and conceptions of the religious life of man, as seen from the point of view of reflective thinking. After a brief Introduction defining the nature of the subject and its method, the nature, origin, development, and differentiation of Religion itself will be considered. All the problems connected with the Theistic, and the contrasted Positivistic, Deistic, and Pantheistic conceptions of God and of his relation to the world (Nature and the Supernatural), will then be discussed. The nature of man's religious life and of the Divine education of the

race, of revelation, inspiration, miracle, and the doctrine of faith, prayer, and worship, will be carefully studied. And the concluding portions of the course will embrace such topics as the nature of the religious community, the immortality of man, and the spread of the Divine Kingdom. Reading of some of the principal authorities on these subjects will be required.

28 *Philosophy of Religion.* 3 hrs.

Same as above, with the addition of special work of research to be presented in papers and discussed in the class.

Professor STEVENS :—

29 *The Grounds of Theistic and Christian Belief.* 1 hr.

A discussion of the principal forms of the theistic argument, and of their application to the defense of Christianity against current objections.

30 *The Anti-Theistic Theories.* 1 hr. 1st term.

This course will be based upon Flint's *Anti-Theistic Theories*, and will be supplementary to the lectures on Theism (course 29).

Professor HOPKINS :—

31 *Comparative Religion.* 1 hr. 1st term.

A course of weekly lectures in the first term. These lectures take up the study of religion from the comparative point of view, treating of the underlying principles of religion as shown in the religious phenomena of different nations and races, from lower to higher forms of religious expressions. They are open to all graduate students, members of the theological school, and Academic Junior and Senior classes.

For a course in Systematic Theology, see the Department of Theology.

PEDAGOGICS

Dr. ROWE :—

32 *Systematic Pedagogy.* 1 hr.

This course will give a general survey of the field of education. The relation of pedagogy to allied subjects, and the fundamental aims, principles and methods of education in organization, discipline and instruction will be discussed. The course thus

consists of two parts: (1) *educational foundations*, and (2) *the methodology of education*. [The work for the year 1902-1903 will include only the second part.] The subjects will be considered in both their theoretical and practical aspects. Pains will be taken to acquaint the student with the most helpful books in the wide range of educational literature. Papers and collateral reading will be required.

This course is intended both for those who wish some acquaintance with this department of knowledge and for those who intend to teach.

33 *Practical Pedagogy.* 1 hr.

The method of instruction, school discipline, and the study of children will be considered as presented by McMurry's *Method of the Recitation*, Tompkins' *School Management*, and Rowe's *Physical Nature of the Child* respectively.

These books will be read and discussed as to their contribution to the needs of the practical teacher. To those already familiar with these, other works will be recommended.

34 *School Organization, Equipment and Management.* 1 hr.

An opportunity is offered a limited number of students to study the business side of schools of this vicinity. Three hours a week of observation will be required and record kept in notebooks. There will be discussions on the value and economy of the various devices seen.

Dr. McALLISTER :—

35 *Experimental Pedagogy.* 1 hr.

A summary of the results of experimental methods as applied to educational subjects. The topics treated will include: training of the senses, observation, memory, quickness of perception and thought, writing, drawing, fatigue, and study of children.

Dr. W. J. TAYLOR :—

36 *History of Education.* 2 hrs.

This course will comprise readings and lectures on the history of education, including a study of the work of representative educational Reformers, and the reading of selected educational classics. The course is especially but not exclusively adapted to those who intend to engage in educational work.

Professor PHILLIPS, and others:—

37 *Equipment and Methods of the Teacher.*

Informal lectures, open to all students interested, on the equipment and methods of the teacher: of Mathematics, by Professor Phillips; of Physics, by Professor A. W. Wright; of Science, with especial reference to the Biological Sciences, by Professor Chittenden; of Science, with especial reference to Geology, by Professor Williams; of Chemistry, by Professor Wells; of Latin, by Professor Morris; of Greek, by Professor Goodell; of German, by Professor Palmer; of French, by Professor Warren; of English, by Professor Phelps; of Biblical and Semitic Literature, by Professor Kent; of History, by Professor Bourne; of Economics, by Professor Fisher; of Philosophy, by Professor Ladd. Three lectures on each subject will be given, at hours to be announced on the University Bulletin.

For a course on Religious Education, see Prof. Brastow's course on *Christian Pedagogy* offered to divinity students.

#### HISTORY OF PHILOSOPHY

Professor DUNCAN:—

\*38 *Ancient Philosophy.* 2 hrs.

[See Course XIX A 7, page 130.]

39 *Modern Philosophy.* 3 hrs.

A critical study of the systems of speculative thought from Descartes to the present time, especially of the great systems of the XVIIth and XVIIIth centuries, with cursory reading of philosophical masterpieces from Descartes to Kant: Descartes' *Method* and *Principles of Philosophy*, pt. I; Bacon's *Novum Organum*; Spinoza's *Ethics*—selections; Locke's *Essay on Human Understanding*—selections; Leibnitz's *Monadology* and *Philosophical Opuscles*; Berkeley's *Principles of Human Knowledge*; Hume's *Inquiry concerning Human Understanding*; Reid's *Inquiry into the Human Mind*; Kant's *Prolegomena to any Future Metaphysics*. Two hours are devoted to expository and critical lectures; the third hour (which may be changed to two hours, if desired) to the presentation and discussion of papers by the students, and to the informal consideration of important problems, especially of those relating to the philosophy of knowledge.

Dr. DAVIES :—

40 *Medieval Philosophy.* 1 hr.

In this course the continuity of philosophical reflection will be studied from the time of the later Greek philosophers to Descartes. Attention will especially be paid to the influence of Christianity in modifying and transcending Greek thought ; also to the systems that grew up on the basis of theology ; and to the revival of learning which created the new spirit in science, art, ethics and religion. The value of these speculative movements for modern thought will be constantly kept in sight and critically estimated. Harnack's *History of Dogma*, with special reference to the original documents, will be a text-book for the course.

Dr. CHURCHILL :—

41 *Plato's Dialogues.*

Nearly all the well authenticated Dialogues of Plato will be read in English (Jowett's translation), with a view to examining Plato's philosophical opinions as illustrating the permanent and most interesting problems of philosophy.

[The two following courses may be taken either as studies in philosophy or as studies in Greek. Philological discussions will be introduced into both these courses in so far as such discussions may be necessary to a clear understanding of the thought involved.]

Dr. STEARNS :—

42 *Pre-Socratic Philosophy.* 2 hrs.

The sources and remains of the earliest Greek philosophy are critically examined and interpreted with a view to explaining the origin and first developments of that line of reflective thinking which has had most influence upon modern scientific and philosophical ideas and problems.

43 *Aristotle's Metaphysics.* 2 hrs.

Selected chapters in the *Metaphysics* will be translated and interpreted. Especial emphasis will be laid upon the new and enduring conceptions which underlie Aristotle's thinking. The effort will be constantly made to understand the philosophical thought of the author, and to illustrate and criticise it by comparison with the now current thought on the same topics.

For other courses dealing with the History of Philosophy, see courses 16, 18, 21, 23, 26 and 44-48.

#### PHILOSOPHICAL CRITICISM

Professor LADD :—

[44 *Modern Pantheism and Pessimism.* 2 hrs.]

Schopenhauer's *World as Will and Idea* is read with constant comparison with the views of ancient and modern pessimists, especially with Hartmann. Most of the work is research, the results being presented in elaborate papers for discussion before the class.

Omitted in 1902-1903.]

Professors DUNCAN (a) and SNEATH (b) :—

[45 *Kant Seminary.* 2 hrs.]

(a) A thorough study of the *Critique of Pure Reason* and the *Prolegomena to any Future Metaphysic*. The effort is constantly made to understand Kant's system of thinking in the light of the history of opinion since his time, and especially of opinion upon the same subjects in the present day.

(b) A comparative study of Kant's *Critique of the Practical Reason* and *Fundamental Principles of the Metaphysic of Ethics*; and of Aristotle's *Nicomachean Ethics*, with especial reference to a critical examination of the relative claims of formalistic and of teleological ethics.

Omitted in 1902-1903.]

Professor DUNCAN :—

46 *The Philosophy of Herbert Spencer.* 2 hrs.

This course is a study of the Evolution Theory of Spencer in its psychological, ethical and metaphysical aspects. Spencer's *First Principles*, *Principles of Psychology* (selections), and *Data of Ethics* are read and discussed.

Professor SNEATH :—

\*47 *Types of Philosophy.* 2 hrs.

[See Course XIX B 3, page 132.]

Dr. HESS :—

48 *The Philosophy of Lotze.* 2 hrs.

An exposition and criticism of the philosophy of Lotze as contained in his *Microcosmus*, which deals with such philosophical problems as the relation of philosophy, science and religion ; the different views of nature, especially the mechanical and teleological explanations ; the conception of "law" in nature, and evolution ; the existence and the immortality of the soul ; man as a moral and as a religious being ; the existence and nature of God, and the relation of God to the world ; the problem of evil ; etc.

Dr. MONTGOMERY :—

49 *German Philosophical Writings in the Original.* 2 hrs.

Exposition of recent trends of philosophical thought in Germany. The class will read in German Schopenhauer's *Die Welt als Wille und Vorstellung*, and then take up the reading of current discussions in some German philosophical magazine.

50 *French Philosophical Writings in the Original.* 2 hrs.

Discussions of the French schools of philosophy in the nineteenth century. The class will read in French some of the essays in Caro's *Philosophes et Philosophie*, and then take up the reading of current discussions in some recent French philosophical magazine.

## II. THE SOCIAL SCIENCES, HISTORY, AND LAW

<b>WILLIAM H. BREWER, Ph.D.</b>	<b>ARTHUR M. WHEELER, LL.D.</b>
<b>WILLIAM G. SUMNER, LL.D.</b>	<b>CHARLES H. SMITH, LL.D.</b>
<b>GEORGE B. ADAMS, Ph.D.</b>	<b>HENRY W. FARNAM, R.P.D.</b>
<b>WILLISTON WALKER, Ph.D., D.D.</b>	<b>EDWARD G. BOURNE, Ph.D.</b>
<b>JOHN C. SCHWAB, Ph.D.</b>	<b>IRVING FISHER, Ph.D.</b>
<b>HENRY C. EMERY, Ph.D.</b>	<b>FREDERICK WELLS WILLIAMS, B.A.</b>
<b>OLIVER H. RICHARDSON, Ph.D.</b>	<b>HERBERT E. GREGORY, Ph.D.</b>
<b>CLIVE DAY, Ph.D.</b>	<b>ALBERT G. KELLER, Ph.D.</b>
<b>HENRY B. LEARNED, M.A.</b>	<b>WILLIAM B. BAILEY, Ph.D.</b>
<b>GEORGE GRANT MACCURDY, M.A.</b>	<b>JOHN P. NORTON, Ph.D.</b>
<b>ERNEST H. BALDWIN, Ph.D.</b>	<b>PHILIP P. WELLS, Ph.D.</b>

The BOOCOCK LIBRARY (founded in 1896 by Mr. and Mrs. S. W. Boocock) is a department library in the Social Sciences, which supplies students with the most rare and special works in those subjects which the University Library does not contain. Any books needed by special students will be obtained. Students of all degrees of advancement will find reference books in the Boocock Library, and are invited to apply for access to it to Prof. Sumner.

The ANTHROPOLOGY CLUB meets upon notice for papers and discussions in Anthropology (Historical and Somatic), Ethnology, Sociology, and Demography.

When the classes in courses \*5 and \*6 reach the proper degree of advancement, they are divided into squads for visits to the Museums of Anthropology and Ethnography under the guidance of competent instructors.

The POLITICAL SCIENCE CLUB, comprising the graduate students and instructors in the social sciences, has its headquarters at 11 White Hall, which are open to members at all times. The department library there installed contains a collection of economic works generally required by advanced students. Fortnightly meetings are held during the academic year. Announcement of the subjects discussed is made in the University Bulletin.



Opportunities are given students to visit such charitable and penal institutions and agencies of social betterment as are in New Haven, or within easy access of it.

The HISTORICAL SEMINARY ROOM, No. 90 High street, contains a reference library to which graduate students may have access at all hours.

The HISTORICAL CLUB meets fortnightly for the reading and discussion of papers and for reports on current periodicals.

Professor SUMNER :—

- 1 *Anthropology.* 2 hrs.  
A careful study of Ranke's *Der Mensch* (2d ed.), with an examination of the separate topics by means of all the appropriate material.
- 2 *The Self-Perpetuation of Society.* 2 hrs.  
(Section II of Systematic Societology.) An historical and ethnological study of the evolution of the *Marriage Institution*; *mores*, taboo, idealization. The *Family*; its forms, parenthood, kinship, status of woman. Comparative legislation on domestic relations. *Population*. The history, law and policy of population.
- [3 *The Mental Reactions.* 2 hrs.  
(Section IVa of Systematic Societology.) An ethnological study of the development of the *Mental Processes* and of the growth and contents of the *Mental Outfit* of the human race in the earlier stages. Ghost-fear, daimonism, otherworldliness, knowledge and pseudo-knowledge, the aleatory element, world-philosophy, *mores*, codes, taboo, therapeutics, etc.  
Omitted in 1902-1903.]
- [4 *The Beginnings of the Industrial Organization.* 2 hrs.  
An ethnological study of the industrial organization from its earliest beginnings. Division of labor between the sexes and the special functions of each; regulation of industry; slavery; formation of capital; discoveries and inventions; domestication of animals and plants; money, etc.  
Omitted in 1902-1903.]
- \*5 *The Science of Society.* 2 hrs.  
[See Course XXI B 20, page 149.]

- \*6 *The Science of Society.* 2 hrs.  
[See Course XXI B 21, page 149.]

Professor FARNAM :—

- [7 *The Principles of Public Finance.* 2 hrs.

A systematic treatment of the subject of government expenditure, government income, and government debt, illustrated by references to the financial statistics and experience of modern states.

Omitted in 1902-1903.]

- 8 *Social Politics.* 2 hrs.

A critical examination of the results of legislation designed to strengthen the economic position of the weaker social classes.

- 9 *Pauperism and Crime.* 1 hr.

A study in social pathology, mainly with reference to its economic aspects.

- [10 *The Modern Organization of Labor.* 2 hrs. 2d term.

These lectures treat of the historical antecedents and the development during the nineteenth century of associations of wage-receivers. They therefore include an account of the structures, aims, and methods of such societies in different countries, together with a discussion of their relations to socialism, the factory system, labor disputes, labor legislation, workmen's insurance, provision for the unemployed, and other features of the modern industrial world.

Omitted in 1902-1903.]

Professor SCHWAB :—

- \*11 *Finance.* 2 hrs.  
[See Course XXI B 1, page 146.]

- \*12 *United States Industrial History.* 2 hrs.  
[See Course XXI B 5, page 147.]

- 13 *Finance.* 1 hr.

Recent financial history of the United States, with a detailed study of the current money market.

14 *International Trade.* 1 hr.

The theory of international trade ; a short review of the commercial history of the United States ; and a detailed study of the current foreign exchange market.

15 *United States Public Finance.* 1 hr.

A study of United States Federal, State and local taxation.

16 *Economic Research.* 1 hr.

Instruction in methods of economic research ; practice in preparing bibliographies of economic subjects.

## Professor IRVING FISHER :—

17 *Economic Theory.* 2 hrs.

This course will treat of (1) methods of economic study with especial reference to the use of mathematics in economics and statistics and (2) the applications of these methods to the more difficult problems of economic theory, such as value, prices, price levels, capital, interest, distribution and international trade. Text-books : Fisher, *Brief Introduction to the Infinitesimal Calculus* ; Cournot, *Mathematical Principles of the Theory of Wealth* ; and Pareto, *Cours d'economie politique*, or Marshall, *Principles of Economics*.

[18 *Theory of Capital.* 2 hrs.

This course will treat of controverted points as to Capital and its relation to Interest and Distribution. Special attention will be given to the work of Böhm-Bawerk and the elder John Rae.

Omitted in 1902-1903.]

## Professors FISHER and EMERY :—

\*19 *Elementary Economics.* 2 hrs.

[See Course XXI A 1, page 144.]

20 *History of Economics.* Pt. I. 2 hrs.

A course in the history and literature of Economics from the Middle Ages to the English Classical School. Special emphasis is laid on the relation of economic ideas to economic conditions and policy. Lectures and class-room discussion of leading writers.

- [21 *History of Economics.* Pt. II. 2 hrs.

A continuation of the above course covering the protectionist, "historical" and socialistic reactions from the doctrines of the Classical School.

Omitted in 1902-1903.]

- 22 *Commercial Policy.* 2 hrs.

A study of the commercial policy of Europe in the nineteenth century.

- 23 *The Speculative Market.* 2 hrs. 1st half-year.

A study of the speculative side of modern industry and commerce; the development of the world market; relation of producer to consumer; organized speculation.

Professor EMERY and Assistant Professors GREGORY and KELLER :—

- \*24 *Commercial Geography.* 2 hrs.

[See Course XXI A 15, page 145.]

Dr. W. B. BAILEY :—

- \*25 *Statistics.* 2 hrs.

[See Course XXI A 2, page 145.]

- \*26 *American Social Conditions.* 2 hrs.

[See Course XXI B 7, page 147.]

- 27 *Labor System.* 1 hr.

The various theories concerning the payment of labor, the conflicts between capital and labor, strikes, lock-outs, coöperation, profit-sharing, arbitration, compulsory insurance, and the various plans for the amelioration of the condition of the workman. Each member of the class will make a special investigation of some assigned topic.

- 28 *The Economic Systems of Classical Antiquity.* 1 hr.

A critical study is made of the political and social institutions of Greece and Rome. The lectures treat of the income and expenditure of the state, the currency, credit instruments, poor relief, slavery, land tenure, commerce, trade regulations, marriage institutions, etc.

Professor E. V. RAYNOLDS :—

- 29 *Modern Political Institutions.* 2 hrs.

[See Course XXI A 10, page 145.]

Assistant Professor KELLER :—

- \*32 *Ethnology.* 2 hrs.

[See Course XXI A 5, page 145.]

- 33 *Colonization (Economic and Social).* 2 hrs.

The economic, social and ethnological aspects of colonization. A preliminary sketch of ancient and medieval expansion and colonization, followed by a closer study of the experience of the several colonizing states of modern times. Emigration, colonial trade, frontier society, the native question, etc. Text-books dealing with British colonies and colonial policy will be used ; the other colonial powers will be treated in lectures.

Graduates are expected to submit, during the year, papers embodying the results of private research. For such research a reading knowledge of some foreign language will be found indispensable.

[The historical and administrative aspects of the European Colonies in Asia and Africa are treated by Professor Williams, History, C 4, page 143.]

Assistant Professor DAY :—

- 34 *Economic Organization in Europe.* 2 hrs.

A study of the economic organization in the different countries of Europe, and of its influence on the position taken by them in the modern world. The subject will be treated from the standpoint of history rather than from that of commercial geography ; the course is designed not so much to impart information of business value as to interest students in the historical aspect of questions of the day. The different countries of Europe will be considered separately, with reference in each to the relative importance of the extractive industries, manufactures and trade, the characteristic organization of each branch of production, and its influence on the national social and political organization. An attempt will be made to estimate the amount and direction of influence exercised by important states in their international relations, and to show the reaction of their foreign policy on life and production at home.

[35 *Economic History of Europe.* 2 hrs.

A study of the development of the industrial organization in Europe from the period of the Germanic invasions to the industrial revolution of the nineteenth century. The course is designed mainly to describe the development of economic institutions, incidentally to point out the bearing of this development on that of legal and political institutions.

Omitted in 1902-1903.]

Dr. NORTON :—

36 *Statistical Theory of the Evolution of Man.* 2 hrs.

Statistical methods sufficient to enable students to use the *Biometrika* and other publications devoted to statistical Biology and Anthropology. Topics covered: variation, heredity, panmixia, regression, selection and prepotency. The methods of Galton, Edgeworth, Pearson, Yule and Shepperd will be discussed. If desired, opportunity will be offered for research in the Genealogical collection of the Library.

Text-books: Pearson's *Grammar of Science* and *Essays on Heredity*.

37 *Trade Statistics.* 2 hrs.

The condition of trade viewed from the standpoint of (i) the international movement, (ii) bank clearings, (iii) the money supply, (iv) the outlook for the harvests and (v) earnings of corporations. Analysis of railroad reports, crop forecasts, visible supplies, etc.

Mr. MACCURDY :—

38a *Physical Anthropology.* 2 hrs. 1st half-year.

Lectures and demonstrations. A study of man's position in the zoölogical scale and his structure from the racial standpoint, including characters of race, age, and sex, individual variations, and pathological conditions. In the laboratory, students will have access to suitable collections as well as practice in the use of apparatus.

38b *Prehistoric Anthropology.* 2 hrs. 2d half-year.

Man's place in the geological scale. Physical characters of the earliest known races, their environment and stages of culture. Paleolithic, Neolithic, and Bronze Ages, Hallstatt period, and on to historic times. Illustrated by original specimens from the Museum collections and by casts, photographs, etc.

## HISTORY

Professors ADAMS and BOURNE :—

40 *Methods of Historical Research and Criticism.* 1 hr.

The first half of this course consists of a discussion of the principles of historical criticism, for which Langlois and Seignobos' *Introduction to the Study of History* will serve as an outline. Several typical problems of internal and external criticism will be examined by the class and thoroughly analyzed. The second half, conducted by Professor Adams, consists of practical exercises in the study of selected historical documents, so arranged as to furnish examples of all the important points of method. The weekly exercises in this course may occupy two hours.

For a course in Latin Palaeography see Latin course 42.

Professor BREWER :—

41 *Physical Geography in its relation to History.*  
1 hr. 2d half of 2d term.

A course of about ten lectures discussing the following topics : the relations of man to the region he inhabits ; physical geography as related to the development of civilization ; natural aids to the defence and protection of communities ; natural resources and productions ; the facilities for commerce ; the effect of these several factors on the history of nations ; and the modification of these natural conditions by the application of modern science and invention.

Assistant Professor F. W. WILLIAMS :—

\*42 *Ancient Oriental Nations from the earliest times.* 2 hrs.  
[See Course XX B 1, page 138.]

Professor PERRIN :—

44 *Greek History.* 3 hrs.

*Thucydides and the Tradition of the Pentekontaëtia from Thucydides to Plutarch. Studies in the criticism of historical sources.*

[See course 2, Greek, p. 309.]

## Professor WALKER :—

45 *General Church History.* (1st Course.) 3 hrs.

The aim of this course for the year 1902-3 is to present an outline of Church history from the establishment of Christianity to the end of the Crusades. Special attention is paid to the spread of Christianity, the conversion of the Roman Empire, Monasticism, the effects of the Germanic invasions, and the efforts of the Church for the Christianization of northern and eastern Europe, the rise of the Papacy, its conflict with the Empire, and the Crusades.

## Professor ADAMS :—

\*46 *Medieval History (first half).* 2 hrs.

[See Course XX B 5, page 139.]

[Omitted in 1902-1903.]

[This course alternates with the following.]

\*47 *Medieval History (second half).* 2 hrs.

[See Course XX B 6, page 139.]

## Professors ADAMS and WALKER :—

48 *Medieval Institutions.*

A two or three years' course. Not a lecture course. The seminary method will be employed throughout and large use will be made of the original material. A rapid reading knowledge of Latin, German and French is required. The object of the course is to make the student acquainted with the literature of the field, with the problems that are still unsolved, and with the sources which have been and must be used in their solution. In exceptional cases only will students be encouraged to take this course in their first year of graduate work.

## [a Professor ADAMS. 2 hrs.]

a. The first year's course considers later Roman and early German institutions, and their combination in the Frankish state ; the development of the papal power and its special institutions ; the institutions of Charlemagne's empire ; the origin of feudalism ; and the beginnings of national governments.

Omitted in 1902-1903.]



**b 1 Professor WALKER. 1 hr.**

Second year's course with special reference to French institutions from Louis VI to Louis IX. The aim will be to trace the growth of the power of the French monarchy during one of the most significant periods in its development; to discuss the methods by which the authority of the crown was extended; and to examine the constitution and activities of the more important organs of government.

**b 2 Professor ADAMS. 2 hrs.**

Second year's course with special reference to Norman and Angevin institutions in England. The course will open with a somewhat detailed study of feudal institutions of the tenth and eleventh centuries, and will then follow the institutional development in England from the Norman conquest to the establishment of parliament.

Assistant Professor F. W. WILLIAMS :—

**\*49 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.**

[See Course XX B 7, page 140.]

Professor WALKER :—

**50 *General Church History.* (2d Course.) 2 hrs.**

This course is in continuation of course 45, but may be taken independently of it. Pursuing the same general method, its attempt is to trace the movements preparatory to the Reformation; to discuss the influence of the Renaissance and the discoveries; to examine the reformatory attempts within the Church; to follow in outline the story of the revolt from papal obedience in Germany, Switzerland, Scandinavia, France, the Netherlands, England and Scotland, and the Roman "Counter-Reformation"; and to inquire into the religious, political and social consequences of that revolt to the Peace of Westphalia on the European Continent and to the Toleration Act in England.

**52 *Life and Work of Calvin.* 1 hr. 2d term.**

In this course Calvin's personal characteristics, his education and his relation to the intellectual movements of his time are discussed; his theology is briefly examined; and especial attention is devoted to his work as an organizer, and to the governmental, religious, and educational development of Geneva under his leadership.

Mr. LEARNED :—

- [53 *The Early Italian Renaissance. (1300-1500.)* 2 hrs.

This course is offered as an introduction to the period of the Reformation and will be devoted to a study of those phases of Italian life and thought which influenced the history of western Europe. The course will be divided into three parts. (i) Political theorists from Dante to Machiavelli. (ii) The meaning of Italian Humanism, particularly as seen in the writings of Petrarch. (iii) The age of Lorenzo de Medici as an expression of the Italian Renaissance. Students will be asked to read (i) selections from Dante's *De Monarchia*, the *Defensor Pacis* of Marsiglio of Padua, and Machiavelli's *Il Principe*, and (ii) selections from Petrarch's writings.

Omitted in 1902-1903.]

Assistant Professor RICHARDSON :—

- \*54 *The Renaissance and the Reformation.* 1 hr.

[See Course XX C 1, page 142.]

- \*55 *History of Northern Europe from the Reformation to the death of Frederic the Great.* 2 hrs.

[See Course XX B 10, page 140.]

[This course alternates with the following.]

- \*56 *History of France from the Reformation to the French Revolution.* 2 hrs.

[See Course XX B 11, page 140.]

[This course is omitted in 1902-1903. It alternates with the preceding.]

- [57 *Studies in the Reign of Louis XIV.* 1 hr.

Attention will be paid to the constitutional Fronde, the political training and governmental methods of the king, and the development of political theory.

The work will consist largely in the reading and criticism of characteristic passages in the writings of Louis XIV, Cardinal de Retz, Saint-Simon and Bossuet. Use will also be made of the correspondence of the time.

Not given in 1902-1903.]

58 *Studies in the History of Brandenburg-Prussia.* 1 hr.

Considerable attention will be given to economic and constitutional developments in the days of the Great Elector, Frederic William I and Frederic the Great. The work will be based upon Bornhak's *Geschichte des Preussischen Verwaltungsrechts*, the documents in Altmann's *Ausgewählte Urkunden zur Brandenburgisch-Preussischen Verfassungs- und Verwaltungsgeschichte*, and Zurbonsen's *Quellenbuch zur Brandenburgisch-Preussischen Geschichte*.

Professor WHEELER :—

59 *History of Treaties, 1763-1815.* 1 hr.\*60 *History of Europe since 1789.* 2 hrs.

[See Course XX C 2, page 142.]

[61 *Investigation of special topics in European History from 1789 to 1815.* 1 hr.

A general knowledge of the period, and ability to read French or German easily, are required.

Omitted in 1902-1903.]

Professor ADAMS (first half-year) and Assistant Professor RICHARDSON (second half-year) :—

\*62 *English History.* 3 hrs.

[See Course XX C 3, page 143.]

Assistant Professor RICHARDSON :—

63 *English History from the accession of the Tudors to the reign of William and Mary.* 2 hrs.

A research course which extends through two years and lays more stress upon the constitutional than upon the political side of the subject. Construction of bibliographies, and reports based upon independent investigation of the sources, form an important part of the work.

a. The course for the first year embraces the period between 1485 and 1603. The reigns of Edward VI and Mary are treated with comparative brevity in lectures, with assigned readings from primary and secondary sources, while particular attention is paid to the reign of Henry VII and to constitutional developments under Henry VIII and Elizabeth.

[b. The course for the second year embraces the period between 1603 and 1688. The constitutional history of the Puritan Revolution will receive especial consideration. The work consists in large part of a systematic study of the documents contained in Prothero's *Statutes and Constitutional Documents*, and Gardiner's *Constitutional Documents of the Puritan Revolution*.

Omitted in 1902-1903.]

Professor WHEELER :—

64 *Constitutional History of England since 1760.* 1 hr.

Lectures and required reading.

Professor BOURNE :—

\*65 *American History [1492-1763].* 2 hrs.

[See Course XX B 15, page 141.]

\*66 *American History [1765-1860].* 2 hrs.

[See Course XX B 16, page 141.]

[67 *The American Revolution and the Formation of the Union.* 2 hrs.

After a brief survey of the English colonial system as it existed in the first half of the eighteenth century, the causes and progress of the Revolution will be taken up in detail. Considerable attention will be given to the political theories of the time, and to the influence of the Revolution in Europe.

In the second part of the course especial attention will be given to the political and economic forces making for a more compact union and to the contemporary political discussion.

Omitted in 1902-1903.]

68 *Diplomatic History of the United States.* 2 hrs.

History of the foreign relations of the United States from the end of the Revolution to the close of the Civil War. Special attention is given to the relations with Spanish America and to the annexations of territory. A reading knowledge of Spanish will be useful for the prosecution of this course.

Professor C. H. SMITH :—

69 *American History (Constitutional).* 1 hr.

An historical study of the Federal Constitution, mainly of the Articles relating to the General Government in its three departments, Legislative, Executive, and Judicial.

- 70 *American History [1860-1876].* 2 hrs.

A study of the Civil War and Reconstruction periods, giving special attention to constitutional questions.

Dr. E. H. BALDWIN :—

- 71 *New England Colonial Society.* 1 hr.

A study of social conditions in New England in the seventeenth century as revealed by colonial legislation.

Laws designed : to provide for the common defense ; to protect life, property and morals ; to aid material development ; and to promote education, are among the topics to be considered.

Colonial records will serve as a basis for the work of the course, but frequent references will be made to other contemporary material.

Dr. P. P. WELLS :—

- 72 *The Southern States before 1860.* 1 hr.

A research course dealing primarily with social and economic conditions. The sources will be independently investigated and reports made upon such topics as agriculture and commerce, the movement of population, the slave trade, the material condition and legal status of the slave, free laborers, the slaveholding classes, etc.

Assistant Professor F. W. WILLIAMS :—

- \*73 *Modern Asiatic History.* 2 hrs.

[See Course XX B 13, page 141.]

- \*74 *European Colonies in Asia and Africa.* 2 hrs.

[See Course XX C 4, page 143.]

- 75 *Diplomatic Intercourse with Asiatic Nations.* 2 hrs.

A special study of the relations between the states of Eastern Asia, Europe and America during the second half of the nineteenth century. This course is not given to those without some general acquaintance with the modern political history of Asia.

Professor BOURNE :—

[76 *Historiography in America.* 1 hr. 2d half-year.

A critical survey of historical writing and scholarship in America.

The principles of historical criticism applied, first, to narrative histories which are classed as sources and, second, to selected secondary authorities.

Omitted in 1902-1903.]

77 *Modern European and English Historiography.*

1 hr. 2d half-year.

History of modern historical literature and investigation from the middle of the eighteenth century. After a brief review of the general condition of historical studies in the last century, the modern development of historical study in Germany, France, and England is examined and its progress followed in the representative works of historical scholarship down to our own time.

### III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

EDWARD L. CURTIS, Ph.D., D.D.      FRANK C. PORTER, Ph.D., D.D.  
BENJ. W. BACON, Litt.D., D.D.      FRANK K. SANDERS, Ph.D., D.D.  
CHARLES C. TORREY, Ph.D.      CHARLES F. KENT, Ph.D.  
WILLIAM MELVILLE PATTON, Ph.D.      FREDERICK LENT, M.A.

Connected with the department are the Seminary rooms, the Reference Libraries, the Special Collections and the Semitic and Biblical Club.

The SEMINARY ROOM in 9 Fayerweather Hall is adjacent to the two recitation rooms used by the department. It contains a good reference library in Biblical Literature, and can be utilized for purposes of study at all times.

A REFERENCE LIBRARY, available for students, situated very near to the departmental library proper, is the Trowbridge Reference Library of the Divinity School. It contains more than 3,000 carefully selected volumes, and is particularly rich in works of reference for Biblical study.

The SALISBURY COLLECTION of Oriental manuscripts, books and works of reference, the library of the American Oriental Society, the collection of rare and valuable Arabic manuscripts, made by Count Landberg, acquired recently for Yale University through the munificence of Morris K. Jesup, Esq., of New York City, and the well-stocked Semitic sections of the general Library, furnish exceptional advantages and opportunities for independent research to the student of Semitic literature.

For courses in Hellenistic Greek, see the announcement of the Department of Classical Philology. For courses in Oriental History, see courses 73, 74 and 75 in the Department of Economics and History.

The SEMITIC AND BIBLICAL CLUB, composed of the instructors, the students who are studying for a degree, and

others who are interested in the work, holds stated semi-monthly meetings, at which papers on subjects of interest to Biblical students are presented and discussed.

The BIBLICAL RESEARCH CLUB meets for discussions of a semi-popular character on Biblical subjects.

#### HEBREW

Professor CURTIS :—

- 1 *Elementary Hebrew.* 4 hrs.  
The year's work includes a mastery of the elements of Hebrew and the translation of Genesis.
- [2 *The Book of Job.* 1 hr.  
The grammatical and historical exegesis of the Hebrew text. Lectures and recitations.  
Omitted in 1902-1903.]
- 3 *Selections from Proverbs, and the Five Megilloth.* 1 hr.  
The grammatical and historical exegesis of the Hebrew text. Lectures and recitations.
- 4 *Selections from the Psalter.* 2 hrs. 1st term.  
The grammatical and historical exegesis of the text, with attention to New Testament interpretation and homiletical application.
- 5 *The Book of Isaiah.* 2 hrs. 2d term.  
The grammatical and historical exegesis of the Hebrew text.

Professor KENT :—

- [6 *Advanced Hebrew.* 2 hrs. 1st term.  
The reading of the Books of Samuel and a thorough review of the elements of Hebrew grammar. This course continues course 12.  
Omitted in 1902-1903.]
- [7 *Hebrew Sight Reading.* 2 hrs. 2d term.  
Rapid reading of portions of Jeremiah, Ezekiel and Isaiah xl to lxvi, and selections from the historico-prophetical books. Assignment of special passages for critical study. Two hours of sight reading will count as one of these hours.  
Omitted in 1902-1903.]



8 *The Minor Prophets.* 2 hrs. 1st term.

Critical translation and interpretation, with a special study of the political, social and religious teachings of each prophet. The elements of Hebrew grammar will also be thoroughly reviewed.

9 *Hebrew Syntax.* 2 hrs. 2d term.

A study of the principles of Hebrew Syntax, with the reading of a variety of passages with special reference to a syntactical interpretation.

Dr. PATTON:—

10 *The Textual Criticism of the Old Testament.*

2 hrs. 1st term.

A close textual study of some one of the later Prophets, making use of the apparatus of the Lower criticisms to restore the original text, together with lectures on the apparatus, methods, and history of Old Testament criticism.

11 *The History of the LXX. and its Use in Criticism.* 1 hr.

A discussion of the means available for the textual criticism of the Old Testament, especially the Greek translations, their history, and the problems which they present, followed by readings from First Samuel with reference to the variations of the Greek versions.

Mr. LENT:—

12 *Elementary Hebrew.*

2 hrs.

[See Course B 7, page 91.]

#### COGNATE SEMITIC LANGUAGES

Professor TORREY:—

13 *The Koran.* 3 hrs. 1st half-year.

Reading of selected suras, with a supplementary study of the life of Mohammed.

14 *The Arabic Historians.* 2 hrs. 2d half-year.

The reading of Ibn Hishâm's account of the battle of Bedr.

[15 *Arabic Poetry.*

The reading of selections from Nöldeke's *Delectus Veterum Carminum Arabicorum*.

Omitted in 1902-1903.]

16 *The Old Syriac Gospels.* 2 hrs. 1st half-year.

The reading of a considerable portion of The Lewis Palimpsest (*The Four Gospels in Syriac*; Cambridge, 1894), with attention to both linguistic and critical phenomena. Students who have taken course 24, or its equivalent, will be qualified to enter this course.

[17 *Assyrian Historical and Mythological Texts.*

Rapid reading of selected texts, with supplementary study of Assyro-Babylonian history and literature.

Omitted in 1902-1903.]

[18 *North Semitic Inscriptions.*

The Moabite stone ; the Siloam inscription ; the Zenjirli monuments, and other old Aramaic remains ; selected Phoenician and Palmyrene inscriptions ; coins with old Semitic legends. The aim of the course is to acquaint the student with some of the monuments which are especially important for the study of the Old Testament languages and history, and to provide a brief general introduction to North-Semitic epigraphy.

Omitted in 1902-1903.]

19 *Sabaeen and Minaean Inscriptions.* 1 hr. 1st half-year.

At least an elementary knowledge of Arabic is required for this course. Some knowledge of Ethiopic is very desirable, but not necessary.

[20 *Elementary Ethiopic.*

The elements of Ethiopic, using Praetorius's *Äthiopische Grammatik* and Bachmann's *Lesestücke*.

Omitted in 1902-1903.]

21 *Advanced Ethiopic.* 2 hrs. 2d half-year.

Reading of the *History of the Martyrs of Nagrân* (Pereira's edition of 1899). If preferred, selections from the *Book of Jubilees* (ed. Charles ; Oxford, 1895) will be read.

22 *General Introduction to Semitic Philology.* 1 hr.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No previous knowledge of the Semitic languages is required for this course, though some acquaintance with at least the Hebrew language is desirable.

23 *Semitic Seminary.* 1 hr.

Applicants for membership must be well advanced in at least one of the three languages, Hebrew, Syriac, and Arabic, and must have had at least an elementary course in each of the others. Some knowledge of Ethiopic and Assyrian, especially the latter, is desirable, though not indispensable.

The work of the year 1902-03 will include the comparative study of Semitic poetical forms and the investigation of problems of Semitic phonology and comparative grammar. Students who have made considerable progress in Arabic will have an opportunity to make use of some of the manuscripts in the Jesup and Salisbury collections.

[24 *Elementary Syriac.* 2 hrs.

The principles of the language, with reading of selections in Brockelmann's *Syrische Grammatik*.

Omitted in 1902-1903.]

25 *Biblical and Palestinian Aramaic.* 2 hrs. 2d half-year.

A study of Biblical Aramaic using Marti's *Aramäische Grammatik*, and of Palestinian Aramaic using Dalman's *Grammatik*.

Professor KENT :—

[26 *The Discovery and Decipherment of Ancient Inscriptions.* 1 hr.

A view of the history of excavations in ancient Assyria, Babylonia, Syria, and Egypt, with a study of the problems and methods of the modern excavator. A survey of the different forms and types of Semitic and Egyptian inscriptions and the history of their decipherment.

Omitted in 1902-1903.]

Dr. PATTON :—

27 *Elementary Arabic.* 2 hrs.

[See Course V B 8, page 91.]

28 *Elementary Assyrian.* 2 hrs.

[See Course V B 9, page 92.]

29 *Maccabean History and Literature.* 2 hrs. 2d half-year.

A survey of the history and literature of the period from the death of Alexander the Great, 323 B. C., to the conquest of Palestine by Pompey, 63 B. C.

## BIBLICAL LITERATURE

Professor CURTIS :—

- [30 *Ancient Traditions and History of the Jewish People.* 1 hr.  
Studies in history and archaeology with the view of determining the meaning and historical value of the Biblical records.  
Omitted in 1902-1903.]
- [31 *Analysis and Exposition of Isaiah, Jeremiah, and Ezekiel.*  
(English Bible.) 2 hrs. 2d term.  
Omitted in 1902-1903.]
- 32 *Analysis and Exposition of the Twelve Minor Prophets.*  
(English Bible.) 2 hrs. 2d term.
- 33 *Old Testament Introduction.* 1 hr.  
A brief survey of the history of the canon, text, and versions, followed by special introduction to the Hexateuch and remaining Old Testament books. Lectures.
- 34 *Problems of Hexateuchal Criticism.* 1 hr. 2d term.  
A consideration of the problems of Hexateuchal criticism.

Professor PORTER :—

- 35 *Biblical Theology of the Old Testament.* 2 hrs. 2d half-year.  
A history of the religion of Israel from its beginning to the time of Christ. Special attention is given to the work and teachings of the several Prophets, to the significance of the Exile, and to the nature and history of post-exilic Judaism.
- 36 *Biblical Theology of the New Testament.* 3 hrs.  
The teaching of Jesus is examined in its individuality and in its historical relations and significance. The theology of the Apostolic age is then studied, with special reference to the sources, character, and influence of the thought of Paul, and the problems of the Johannine theology.
- 37 *The Biblical Conceptions of Inspiration and Revelation.* 2 hrs. 1st half-year.  
A historical study of these ideas in their growth and variety in the Old Testament, in later Jewish writings and in the New Testament. Special attention will be given to the nature of prophecy, and the rise of the idea of a written revelation, and to the relation of these two to each other. Lectures.

38 *The Apocalyptic Literature.* 1 hr.

Studies in the historical conditions and the literary and psychological processes which resulted in the formation of the Jewish apocalypses, and in the historical significance of this literature in relation to the rise of Christianity. A *seminar* course, based on the reading of Daniel, Enoch, the Apocalypses of Ezra and Baruch, and Revelation.

Professor BACON :—

39 *The Pauline Epistles.* 3 hrs. 1st term.

Grammatico-historical exegesis of Galatians with a comparison of the Pauline system.

40 *The Christological Epistles.* 1 hr. 1st term.

A study of the origin and nature of the Christology of Paul in Ephesians with a comparison of Colossians, Philemon, and Philippians. Lecture course, the class preparing theses.

41 *Synoptic Gospels.* 3 hrs. 2d term.

Historico-critical exegesis of the gospel of Mark with a comparison of the synoptic tradition.

42 *New Testament Encyclopedia.* 1 hr. 2d term.

Lectures on the philological and historical apparatus for New Testament exegesis, textual criticism and history of the New Testament Canon.

43 *The Book of Acts.* 2 hrs. 2d term.

Critical reading of the Book of Acts with application of the principles of historical and documentary criticism.

44 *The History of New Testament Literature.*

2 hrs. 1st term.

Lectures by way of special introduction to the several New Testament books.

45 *The Catholic Epistles.* 2 hrs.

Discussion of problems of criticism and exegesis. During the first term the first epistle of Peter will be read; during the second term the epistles of James, Jude, and second Peter.

[Alternates with course 46.]

46 *The Johannine Literature.* 2 hrs.

A critical study of the origins of the Fourth Gospel and the Johannine epistles. Research into the type of thought represented, the sources and character of the evangelic tradition followed and the types of doctrine antagonized. *Seminar* method.  
[Alternates with course 45.]

47 *Problems of Textual Criticism.* 1 hr. 2d term.

A critical comparison of the Alexandrian with the Western form of the text, aiming to exhibit the history of the principal variants and beginning with the Lucan writings. *Seminar* method.

Professor SANDERS :—

48 *Old Testament Prophecy.* 2 hrs. 2d half-year.

[See Course V B 3, page 90.]  
[Omitted in 1902-1903.]

49 *Hebrew Wisdom Literature.* 2 hrs. 1st half-year.

[See Course V B 4, page 91.]

Professor KENT :—

50 *Biblical Literature and History (Pre-exilic).* 2 hrs.

[See Course V B 1, page 89.]

51 *Biblical Literature and History (Post-exilic).* 2 hrs.

[See Course V B 2, page 90.]

52 *Israelitish Laws and Institutions.* 2 hrs. 1st half-year.

[See Course V B 3, page 90.]  
[Omitted in 1902-1903.]

53 *Hebrew Poetic Literature.* 2 hrs. 2d half-year.

[See Course V B 4, page 91.]

54 *Biblical Seminary.* 2 hrs.

A course intended to train students for patient, accurate and independent investigation of Biblical and cognate questions. It is open only to those who have a general acquaintance with the field of Biblical history and literature.

During 1902-1903 the scientific classification of the Old Testament literature according to contents, aim and authorship, will be considered. Especial attention will be given to the critical analysis and origin of the historical writings.

Mr. LENT :—

- 55 *The Life of Jesus.* 2 hrs. 1st half-year.

A study of the data given in the Gospels, together with the reading of the more important of the recent works on the Life of Christ.

————— :—

- 56 *Readings in Post-Biblical Jewish Literature.* 2 hrs.

A sight-reading course in Rabbinic and Talmudic literature with discussions of the later Jewish interpretation of Hebrew law.

Students in this course must have gained a working knowledge of Hebrew and Aramaic.

- 57 *Modern Hebrew Literature.* 1 hr.

The class reads some standard historical novel by a modern writer, which affords practice in the reading of Hebrew and an insight into Jewish life and ideas.

Only a good elementary knowledge of Hebrew is necessary for this course.

- 58 *Reading of Theological German.* 1 hr.

The reading of Wellhausen's *Israelitische und Jüdische Geschichte*, 4th edition.

## IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY

TRACY PECK, LL.D.	HENRY P. WRIGHT, Ph.D., LL.D.
BERNADOTTE PERRIN, Ph.D., LL.D.	THOMAS D. SEYMOUR, LL.D.
EDWARD P. MORRIS, M.A.	HENRY R. LANG, Ph.D.
THOMAS D. GOODELL, Ph.D.	E. WASHBURN HOPKINS, LL.D.
HORATIO M. REYNOLDS, M.A.	HANNS OERTEL, Ph.D.
JAMES W. D. INGERSOLL, Ph.D.	CECIL K. BANCROFT, B.A.
GEORGE D. KELLOGG, Ph.D.	PAUL V. C. BAUR, Ph.D.
CHARLES U. CLARK, B.A.	SHERWOOD O. DICKERMAN, B.A.

Students in this department have at all hours unrestricted use of the departmental library. This is in Phelps Hall, near the Classical seminary rooms, in a large and well lighted apartment amply supplied with tables and private lockers. It now contains three thousand volumes, and additions are made each year, so that the student finds here practically everything needed for ordinary work in the courses in classical philology, except some periodicals and expensive illustrated works, which are easily accessible in the University library.

Special purchases of books will be made for students who are carrying on an investigation, either in connection with their thesis or otherwise.

The CLASSICAL CLUB, consisting of the instructors and students in the department, meets in the library room every Saturday evening, to hear reports and papers in the field of classical philology, or to read and discuss the work of some Greek or Latin author. During the year 1902-1903 the authors read are Homer and Cicero.

Graduate students of this University who are approved by the classical instructors are admitted without charge to the American Schools of Classical Studies at Athens and Rome.

A series of lectures, one a week through the year, on the history, encyclopedia, and methodology of classical studies, will be given by several of the instructors in coöperation.

Attention is called to the following allied courses in other departments:



In Ancient Philosophy : Courses I, 38 (Ancient Philosophy); 41 (Plato's Dialogues); 42 (Pre-Socratic Philosophy); 43 (Aristotle's Metaphysics).

In Phonetics : I, 11 (Experimental Phonetics).

In the History of Philology : II, 54 (The Renaissance and the Reformation); V, 22 (Petrarch and Boccaccio).

Of the following courses those bracketed will be omitted in 1902-1903, but are likely to be offered the next year.

1 *Classical Seminary.* 2 or 3 hrs.

The members are expected to read French and German freely and to have read widely in Greek and Roman literature.

Professor MORRIS :—

(a) *Catullus.* 1st half-year.

The criticism and interpretation of selected poems with an exhaustive study of the Catullus literature.

Students who intend to take this course should read Catullus carefully in preparation for the work, using the edition of Riese (Teubner) or Merrill (Ginn & Co.).

(b) Professor GOODELL :—

*Aristoxenos on Rhythmic and Metric.* 2d half-year.

The work will center in the endeavor to make an edition of the extant fragments bearing on these subjects, with a translation, a lexicon of all technical terms, and a complete collection of passages in later writers, particularly the Latin Grammarians, that contain traces of his doctrine. As an introduction to the subject the instructor will lecture one hour weekly during the first half-year.

GREEK.

Professor PERRIN :—

2 *Thucydides, and the Tradition of the Pentekontaëtia from Thucydides to Plutarch. Studies in the criticism of historical sources.* 3 hrs.

(a) A course of lectures will be given on the History of Thucydides, its genesis, sources, composition, and termination; and on the design, spirit, and methods of the writer.

(b) The *Pentekontaëtia* (i. 89-117) will be critically read in class (the rest of the work being assigned for private reading), other principal testimonies to the history of this period collected and weighed, and the literary tradition of the history of the period, from Thucydides to Plutarch, examined. Plutarch's *Kimon* and *Perikles* will be read with special reference to their sources.

The apparatus required in the hands of each student taking the course will be: Hude, *Thucydidis Historiae*, Leipzig, Teubner, Vol. I, 1898, Vol. II, 1902; Hill, *Sources for Greek History between the Persian and Peloponnesian Wars*, Oxford, Clarendon Press, 1897; Busolt, *Griechische Geschichte*, Band iii, Teil I, Gotha, Perthes, 1897; and the Teubner (Sintenis) text of the *Kimon* and the *Perikles* of Plutarch. These books will be imported for all students who apply to Professor Perrin before July 1st. Other apparatus necessary for prosecuting the course will be furnished by the University and Classical Club libraries.

[3] *Thucydides.* 2 hrs.

Practical exercises in the exhaustive critical study of portions of the text of Thucydides, following lectures on the MSS. and bibliography of this author.

Omitted in 1902-1903.]

Professor SEYMOUR :—

[4] *Epic Poetry.* 3 hrs.

Introduction to the critical study of Homer. Lectures on the history of Homeric study, Epic poetry, the composition and transmission of the poems, life in the Homeric times in its various aspects; Homeric language and verse. These are followed by a familiar but critical interpretation (and exercises in interpretation and criticism) of portions of the *Odyssey*, and of the later Greek epics.

Omitted in 1902-1903.]

5 *The Greek Orators.* 3 hrs.

A study of Greek Oratory, beginning with the orations of Isaeus, and including some of the private orations of Demosthenes, with reference to Athenian life and law, as well as to the development of Attic eloquence.

6 *The Greek Bucolic Poets.* 1 hr.

The idyls of Theocritus, Bion, and Moschus, with comparison of bucolic poetry in other literature.

- [7 *Plato*. 3 hrs.  
The *Republic*, and portions of the other dialogues which are most important for its elucidation.  
Omitted in 1902-1903.]

Professor GOODELL :—

- 8 *Sophocles*. 3 hrs.  
Reading of the seven extant plays with special attention to the artistic form, including style, treatment of myths, management of the action, use of meters, and the like. A brief but systematic introduction to Greek metric, based on Gleditsch's *Metrik* and the instructor's *Chapters on Greek Metric*, supplemented by lectures and practice in reading, will constitute a part of the course.
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Professor GOODELL :—

- [9 *Euripides*. 3 hrs.  
Rapid reading of the nineteen plays.  
Omitted in 1902-1903.]

Professor REYNOLDS :—

- [10 *Aristotle's Poetics*. *Literary Criticism in Ancient Times*. 1 hr.  
Interpretation of the *Poetics* and parts of the *Rhetoric*, with selections from Plutarch, Pseudo-Longinus, and Lucian.  
Omitted in 1902-1903.]

- [11 *Late Greek Poetry*. 1 hr.  
This course includes a survey of Alexandrian and later Greek poetry. Reading of the mimes of Herondas, with selections from the Anthology, and from the hymns of Callimachus, and other fugitive poetry.  
Omitted in 1902-1903.]
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Professor OERTEL :—

- 12 *Greek Dialects, and Comparative Grammar of Greek sounds and inflection*. 2 hrs.  
Selected inscriptions of each dialect will be read and interpreted. Cauer's *Delectus Inscriptionum Graecarum propter dialectum memorabilium* (Lipsiae, 1883) contains most of the inscrip-

tions to be read and should be in the hands of students. The rest of the time will be devoted to an exposition of the history of Greek sounds and inflections on the basis of Hirt's *Handbuch der griechischen Laut-und-Formenlehre* (1902). For this an elementary knowledge of Sanskrit is desirable. Students should provide themselves with Brugmann's *Griechische Grammatik* (3d edition, München, 1900 ; forming the first half of vol. ii of Iwan Müller's *Handbuch der klassischen Altertumswissenschaft*).

The course of twelve lectures (Course 57, on *Indo-European Phonology*) will serve as an introduction to this. The instructor reserves the privilege of extending this course to three hours a week.

Mr. DICKERMAN :—

[13 *Modern Greek.* 1 hr.

A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache*. Particular attention is given to the colloquial language.

Omitted in 1902-1903.]

14 *Greek Epigraphy.* 2 hrs.

a. The local alphabets, and the more important inscriptions written in them.

b. Attic inscriptions, selected for their historical or antiquarian interest.

Professor SEYMOUR :—

\*15 *Homer.* 2 hrs. first half-year.

[See Course II B 3, page 84.]

\*16 *Plato and Aristotle.* 2 hrs.

[See Course II C 3, page 86.]

Professor REYNOLDS :—

\*17 *Homer.* 2 hrs.

[See Course II B 2, page 84.]

[Omitted in 1902-1903.]

\*18 *Euripides.* 2 hrs.

[See Course II B 4, page 84.]

\*19 *Lucian.* 2 hrs.

[See Course II B 8, page 85.]

Mr. DICKERMAN :—

\*20 *Greek Composition and Sight Reading.* 2 hrs.

[See Course II B 9, page 85.]

## LATIN

### LATIN LITERATURE

Professor PECK :—

[21 *The Epistles of Horace and the Satires of Persius.* 2 hrs.

Omitted in 1902-1903.]

22 *Lucretius.* 2 hrs.

Professor MORRIS :—

[23 *Plautus.* 2 hrs.

Lectures introductory to the study of Plautus, followed by a critical study of the *Bacchides*. Students should have the complete Teubner text (Goetz-Schoell) or Leo's edition (Berlin, 1895-6).

Omitted in 1902-1903.]

23a *Terence.* 2 hrs.

The six plays will be read with special reference to the social life represented and the dramatic structure. Dziatzko's text (Tauchnitz) and Hayley's *Introduction to the Verse of Terence* will be used.

Professor OERTEL :—

24 *Selections from Latin Authors on the Latin Language.* 2 hrs.

Reading and interpretation of selected passages from Varro, Cicero, Caesar, Quintilian, Aulus Gellius, possibly also from Festus and some grammarians in Keil's collection which bear on questions of Latin grammar. The first author read will be Gellius. The Teubner edition by Hertz (editio *minor* altera, 2 vols., 1886) should be in the hands of the students at the beginning of the course.

Assistant Professor INGERSOLL :—

[25 *Latin Comedy.* 2 hrs.

A dozen plays of Plautus, three or four of Terence, and the principal fragments of the other Comic Writers. A course in rapid reading, designed to supplement the critical work on Plautus in other courses.

Omitted in 1902-1903.]

Professor PECK :—

\*26a *Lucretius and Horace.* 2 hrs.

[See Course I C 2, page 82.]

[Omitted in 1902-1903.]

\*26b *The Dialogus of Tacitus and the Letters of Pliny.* 2 hrs.

[See Course I C 1, page 81.]

\*27 *The Character and Reign of Tiberius.* 2 hrs.

[See Course I B 4, page 80.]

[Omitted in 1902-1903.]

\*28 *Roman Oratory.* 2 hrs.

[See Course I B 5, page 81.]

[Omitted in 1902-1903.]

Professor MORRIS :—

\*29 *Vergil.* 2 hrs.

[See Course I C 4, page 82.]

[Omitted in 1902-1903.]

Professors H. P. WRIGHT and INGERSOLL :—

\*30 *Latin Satire, Epigram, and Comedy.* 2 hrs.

[See Course I B 2, page 80.]

\*31 *Latin Lyric and Elegiac Poetry.* 2 hrs.

[See Course I B 3, page 80.]

[Omitted in 1902-1903.]

Mr. BANCROFT :—

\*32 *The Fasti of Ovid.* 2 hrs.

[See Course I B 6, page 81.]

Assistant Professor INGERSOLL :—

\*33 *Latin Literature.* 2 hrs.

[See Course I B 11, page 81.]

#### THE LATIN LANGUAGE

Professor PECK :—

\*34 *Early Latin.* 2 hrs.

[See Course I C 9, page 82.]

[Omitted in 1902-1903.]

Professor OERTEL :—

[35 *The Italic Dialects and Comparative Grammar of Latin Sounds and Inflection.* 2 hrs.

After a brief survey of the peoples and languages of ancient Italy, a few of the more important Oscan and Umbrian inscriptions are read and interpreted. Students should be provided either with v. Planta's *Grammatik der Oskisch-umbrischen Dialekte* (2 vols., 1892-97) or with Conway's *The Italic Dialects* (2 vols., 1897). The rest of the time will be devoted to an exposition of the history of Latin sounds and inflections in the light of comparative grammar. Either Lindsay's *The Latin Language* (Oxford, 1894) or Sommer's *Handbuch der Lateinischen Laut-und-Formenlehre* (1902) or Stolz-Schmalz' *Lateinische Grammatik* (3d ed., 1900, being the second half of vol. II of Iwan Müller's *Handbuch der klassischen Altertumswissenschaft*) should be in the hands of the student. [For those who intend to take a course in Latin syntax (course 36) the latter is preferable.] An elementary knowledge of Sanskrit is desirable.

The course of twelve lectures (57, on *Indo-European Phonology*) will serve as an introduction to this course. The instructor reserves the privilege to extend this course to three hours.]

Professor MORRIS :—

36 *Latin Syntax.* 2 hrs.

Introductory lectures on the history of syntactical study and on the principles and methods of investigation ; discussion of syntactical systems in grammars and text-books ; a study of the forms and functions of the *qui*-clause.

One session weekly of two hours' length, which may be extended to three hours.

Professor OERTEL :—

\*37 *Practice in Writing Latin Prose (Advanced course).* 2 hrs.

[See Course I C 6, page 82.]

Dr. KELLOGG :—

\*38 *Latin Composition.* 2 hrs.

[See Course I B 8, page 81.]

#### COURSES IN SPECIAL SUBJECTS.

Professor LANG :—

39 *Low Latin.* 1 hr.

The aim of this course is to give an historical account of the popular speech of Rome and of the Roman provinces, and also an outline of its grammar and syntax, as it is disclosed to us by classical Latin, the testimony of the Latin grammarians, inscriptions, medieval documents, and the consensus of the Romance languages.

The course is taken up with lectures on the history and the grammar of Low Latin and the reading of a Low Latin text. For the present the following is used: P. Geyer, *Itinera hierosolymitana saeculi iii-viii* (vol. 39 of *Corpus Scriptorum Ecclesiasticorum Latinorum*), Vienna, 1898. Students should come provided at the beginning with E. Gorra's *Lingue neolatine* (Milano, Hoepli, 1894). Students who wish to take this course must have a good training in Greek and Latin, and at least a reading knowledge of French or Italian.

Assistant Professor INGERSOLL :—

\*40 *Roman Law.* 2 hrs.

[See Course I B 10, page 81.]

[Omitted in 1902-1903.]



Mr. C. U. CLARK :—

41 *Introduction to Text Criticism.* 2 hrs.

Reconstruction of the text of Ammianus Marcellinus in the light of Wilhelm Meyer's Law and on the basis of new collations. Students will provide themselves with either Eyssenhardt's (Berlin, 1871) or Gardthausen's (Berlin, 1875) edition.

42 *Latin Palaeography.* 2 hrs.

This course is primarily designed to provide the necessary technical equipment for critical work on Latin, Romance and early English MSS. The wealth of facsimiles in the University Library, supplemented by the instructor's large collection of photographs, affords ample material. Lectures treat of the development of the late Latin and Medieval literature, and of the transmission of intellectual culture during the Middle Ages.

#### CLASSICAL ARCHAEOLOGY

Professor PECK :—

\*43 *Introduction to Roman Archaeology.* 2 hrs.

[See Course III C 1, page 87].

\*44 *Latin Inscriptions.* 2 hrs.

[See Course III C 2, page 88.]

Professor PERRIN :—

\*45 *Outline Survey of Ancient History.* 1 hr.

[See Course XX B 2, page 138.]

Dr. BAUR :—

46 *Greek Art—I. Sculpture.* 2 hrs.

Lectures and quizzes by the instructor. Special study of the literary sources by the students. If time permits, an outline of Roman historical sculpture will be given.

[47 *Greek Art—II. The Lesser Arts.* 2 hrs.

Omitted in 1902-1903.]

\*48 *Greek and Roman Architecture.* 2 hrs.

[See Course III B 3, page 87.]

49 *Archaeological Exercises.* 1 hr.

Exercises in the interpretation of archaeological monuments, as illustrating classic life and literature. The monuments will be selected largely with reference to the courses offered in Greek and Latin authors. No preparation is required.

50 *Topography and Monuments of Athens.* 2 hrs.

A combination of the historical and the strictly topographical methods of treatment will be adopted. Those who intend to take this course should provide themselves with the Teubner text of *Pausanias*.

## INDO-IRANIAN PHILOLOGY

Professor HOPKINS :—

\*51 *Elementary Sanskrit.* 2 hrs.

[See Course IV B 1, page 88.]

52 *Advanced Sanskrit.* 2 hrs.

Selections from the Rig-Veda and Brahmanic texts.

This course is intended for those that have had already at least one year's instruction in Sanskrit. It is addressed particularly to students of literature, social institutions, and religion. The first half of the year will be occupied with reading selections from the Vedic Hymns, which are not only a priceless heirloom of early religious thought, but also a mine of information in regard to early institutions. The special topic of the second term's reading will be the philosophical portions of the first Brahmanic works and Upanishads, the earliest Aryan prose.

53 *History of Sanskrit Literature.* 2 hrs.

This course consists in a review of Vedic and classical Sanskrit literature from the earliest times to the Puranic period, with extracts to illustrate the various phases of literary development. As it is expected that those who take this course will ordinarily have some knowledge of Sanskrit, the translation is made with reference to these students especially, and they are provided as far as possible with the original texts, as read from day to day. In this way this course forms also a reading-exercise parallel to that in Advanced Sanskrit.

54 *Avestan Language and Literature.* 1 hr.

Intended for those who desire to begin the study of Zoroaster's scriptures, the so-called Zend-Avesta. Avestan, or Zend, is easy for advanced Sanskrit students, and besides offering much of interest in respect of literature and religion, is also valuable to students of linguistics and syntax.

55 *Comparative Religion.* 1 hr. 1st term.

A course of twelve lectures in the first term. These lectures take up the study of religion from the comparative point of view, treating of the underlying principles of religion as shown in the religious phenomena of different nations and races, from lower to higher forms of religious expression. They are open to all Graduate students, members of the Divinity School, and of the Junior and Senior classes of the College.

COMPARATIVE GRAMMAR, PHONETICS, AND LINGUISTICS

Professor HOPKINS :—

\*56 *Introduction to Comparative Syntax.* 1 hr.

[See Course IV C 1, page 89.]

Professor OERTEL :—

57 *Twelve Lectures on Indo-European Phonology.*

These lectures (three times a week during the first four weeks of the first term) are intended to present in rough outlines the most important facts of Indo-European phonology (viz: the vowel-system, strengthening and weakening, ablaut, the gutturals, and accent) and to introduce the student to the more important literature on these subjects. The lectures are mainly intended for those who are taking courses in historical grammar of either the classical or the modern languages. They should be supplemented by collateral reading in Bechtel's *Hauptprobleme der indogermanischen Lautlehre* (1892), and Hirt's *Der indogermanische Akzent* (1895) and *Der indogermanische Ablaut* (1900).

58 *Phonetics.* 1 hr.

A general introduction to Phonetics based on a study of the English, French, and German sound-systems. The course is intended to furnish a basis both for the study of the pho-

nology and for the practical teaching of the various languages. Sweet's *Primer of Phonetics* (1890), Vietor's *Elemente der Phonetik* (3d ed., 1898) and Sievers' *Grundsätze der Phonetik* (4th ed., 1893) should be in the hands of the student. Storm's *Englische Philologie* (2d ed., 1896), Bremer's *Deutsche Phonetik* (1893), Laura Soames's *Introduction to Phonetics* (ed. by Vietor, 1900), Passy's *Les Sons du Français* (4th ed., 1897) and Rousselot's *Les Modifications phonétiques* (1891) will be constantly referred to for collateral reading.

The Psychological Laboratory offers to advanced students every facility and all necessary apparatus for the experimental investigation of phonetic problems. See course I, 9.

Attention is called to the practical exercises in French pronunciation given by Mr. Clarke (V, 13). A similar practical exercise in German pronunciation may be given if desired by a sufficient number of students.

## 59 *Linguistics.*

2 hrs.

An introduction to the scientific study of linguistic development. The course, which is general in its character, is intended for all students, of the classics as well as of the modern languages, who wish to become acquainted with the general principles and chief problems of linguistic science, modern methods of research, the tendencies of recent investigations, the nature of linguistic phenomena, etc. After briefly discussing the topics treated in the instructor's *Lectures on the Study of Language* (New York, Scribner's Sons, 1901), the more important types of language-structure, together with the fundamental facts of syntax and the problem of the origin and rise of language, will be taken up. In connection with this, selected chapters of Paul's *Principien der Sprachgeschichte*, 3d ed., 1898, and of Wundt's *Völkerpsychologie*, Band I: Die Sprache (2 vols., 1900) will be critically examined. Stress will be laid on the psychological aspect of linguistic phenomena and on familiarizing the student with the more recent literature. No knowledge of Sanskrit is necessary for this course.

## V. MODERN LANGUAGES AND LITERATURES

THOMAS R. LOUNSBURY, L.H.D., LL.D.	HENRY A. BEERS, M.A.
ALBERT S. COOK, Ph.D., L.H.D.	HENRY R. LANG, Ph.D.
ARTHUR H. PALMER, M.A.	FRED'K M. WARREN, Ph.D.
GUSTAV GRUENER, Ph.D.	WILBUR L. CROSS, Ph.D.
CHARLTON M. LEWIS, Ph.D.	WILLIAM L. PHELPS, Ph.D.
ROBERT N. CORWIN, Ph.D.	ROBERT L. SANDERSON, M.A.
CHARLES S. BALDWIN, Ph.D.	CHARLES C. CLARKE, JR., B.A.
KENNETH MCKENZIE, Ph.D.	CLYDE C. GLASCOCK, Ph.D.
WM. O. FARNSWORTH, M.A.	CHARLES G. OSGOOD, Ph.D.
RUDOLPH SCHWILL, Ph.D.	JOHN C. ADAMS, M.A.

As auxiliary to the regular courses in modern languages and literatures, three clubs hold regular sessions throughout the year. These are The MODERN LANGUAGE CLUB, The ENGLISH CLUB, and The GERMAN JOURNAL CLUB. The first two in particular aim to deal with subjects not too technical in character, and thus to promote a sense of comity among all the workers in the same field.

The MODERN LANGUAGE CLUB, formed of instructors and students in the departments of English, Romance Languages, and German, holds its regular meetings on the second Saturday evening of each month for the reading and discussion of original papers, and for reports of progress in the field of these studies.

The ENGLISH CLUB, to which are invited all persons, whether members of the University or not, who are interested in the study or teaching of the English language or literature, meets on alternate Monday evenings to listen to the presentation of some topic, and engage in the informal discussion of it. The club never remains in session over an hour, and thus opportunity is afforded for keeping other engagements the same evening.

The GERMAN JOURNAL CLUB has for its object the presentation of reports on the most interesting periodicals published in German, and devoted to the science of Germanic philology.

The GERMAN SEMINARY ROOM in Fayerweather Hall, where the Club meets, contains a small working library for the use of advanced students in the Germanic languages. It also serves as a general study and working room for such students.

The UNIVERSITY LECTURES ON LITERATURE, inaugurated two years ago, were conceived with a view to promoting community of effort among the various philological departments of the University, with especial reference to the broad and illuminative treatment of important literary themes, such as might be welcome to all serious students of literature among us.

The ENGLISH SEMINARY ROOM, at 135 Elm st., which has lately been enlarged for the better accommodation of graduate students in English, contains the nucleus of a working library. This room is general headquarters for the graduate students in English, and serves for the meetings of the English Club, and for similar purposes.

#### ROMANCE LANGUAGES

Professor LANG :—

1 *Low Latin.*

[See Classical Philology, IV, 39.]

#### FRENCH

2 *Old French.*

2 hrs.

Introduction to the study of Old French language and literature in general, followed by a more especial study of Anglo-Norman. G. Paris's *Extraits de la Chanson de Roland* (6<sup>m</sup>e éd. Paris, 1899), and the same author's *La littérature française au moyen-âge* (Paris, 1888) will be used.

Professor WARREN :—

3 *The Arthurian Epic.*

2 hrs.

Lectures on the medieval French poems which relate to Tristan, Arthur and the Round Table.

- \*4 *French Literature of the Seventeenth Century.* 2 hrs.

[See Course VI B 2, page 95.]

- \*5 *French Literature of the Sixteenth Century.* 1 hr.

[See Course VI C 3, page 96.]

- \*6 *Realists and Naturalists.* 1 hr.

[See Course VI C 4, page 96.]

Assistant Professor SANDERSON :—

- 7 *Teacher's Course in French.* 1 hr.

A course for the discussion of topics of interest to teachers of French—questions of syntax, pronunciation, methods of teaching, choice of texts, etc.

- \*8 *French Literature of the Nineteenth Century.* 2 hrs.

[See Course VI B 3, page 96.]

- \*9 *General View of French Literature.* 3 hrs.

[See Course VI C 1, page 96.]

- \*10 *Molière.* 1 hr.

[See Course VI C 2, page 96.]

Mr. FARNSWORTH :—

- 11 *Development of Literary Criticism in France.* 1 hr.

A survey of criticism from the Renaissance to the present time. Boileau, Voltaire, Mme. de Staël, Sainte-Beuve, Taine, and others will be studied in their relation to groups. Collateral reading will be required.

Mr. LUQUIENS :—

- 12 *General Reading in Old French.* 1 hr.

This course is intended to supplement Course 2. Discussion of the relations of the Old French Literary dialects; explanation in the class-room of representative texts; additional outside reading under the direction of the instructor.

The following texts will be used: *Aucassin u. Nicolette*, (H. Suchier, 4th ed. Paderborn, 1899); *Ivain, Chrétien de Troies*, (W. Foerster, Halle a. S.); *Roman de la Rose ou de Guillaume de Dole*, G. Servois, Société des Anciens Textes Français, 1893).

## PHONETICS

Mr. CLARKE :—

13 *Phonetics of Modern French.* 1 hr.

Lectures, with exercises, on the phonetics of French as it is spoken to-day, based on personal observation, supported by the recent publications of Rousselot and Paul Passy.

Incidentally, attention will be directed to the history of French pronunciation since the fifteenth century, in so far as it serves to explain present peculiarities.

The course is offered to such graduate students and others as can read French fluently and have some knowledge of general phonetics. It will be a practical application of the science, and is intended to be of especial value to teachers and those who are making a serious study of the French language. The course will be *conducted in French* when generally desired.

See also courses in Phonetics and Linguistics, IV, 58, 59.

## PROVENÇAL

Professor LANG :—

14 *Provençal Language and Literature.* 2 hrs.

This course begins with lectures on the historical grammar of old Provençal, after which the origin and growth of Provençal lyric poetry, its style and metre, are studied in connection with the reading of selections from the works of the Troubadours. Students will provide themselves from the beginning with Appel's *Provençalische Chrestomathie* (Leipzig, 1895), and Restori's *Histoire de la littérature provençale* (Montpellier, 1894).

15 *Seminary Course in Romance Languages and Literatures.* 2 hrs.

This course is designed to give competent students opportunity and guidance in original research.

During the coming year, the work in this course will center on the study of the origin and the development of medieval lyric poetry in Provence and France as well as in the other Romance countries.

## SPANISH

Professor LANG and Dr. SCHWILL :—

\*16 *Spanish (Elementary Course).* 3 hrs.

[See Course VIII A 1, page 98.]



Professor LANG :—

- \*17 *Spanish Prose of the Nineteenth Century.* 2 hrs.

[See Course VIII B 1, page 98.]

- \*18 *Spanish Prose of the Sixteenth and Seventeenth Centuries.*

2 hrs.

[See Course VIII C 1, page 99.]

- 19 *Beginnings of Spanish Literature.* 1 hr.

This course comprises a study of the early literature of Castile previous to the fifteenth century, and its relations with the literatures of France and Italy. Gorra's *Lingua e letteratura spagnuola delle origini* will be used as introduction to the work.

Dr. SCHWILL :—

- \*20 *Reading and Composition in Spanish.* 2 hrs.

[See Course VIII, B 2, page 98.]

- 21 *The Spanish Drama of the Sixteenth and Seventeenth Centuries.* 2 hrs.

This course will consist of lectures in connection with the reading in class of selected plays by Lope de Vega, Tirso de Molina, Calderon, etc. Work will be assigned for reports to be made in class. Open to students who have had two years of Spanish or its equivalent.

#### ITALIAN

Dr. MCKENZIE :—

- \*22 *Italian (Elementary Course).* 3 hrs.

[See Course VII A 1, page 97.]

- \*23 *Dante's Life and Works.* 2 hrs.

[See Course VII B 1, page 97.]

- 24 *Petrarch and Boccaccio.* 2 hrs.

A study of the Italian writings of Petrarch and Boccaccio, and their influence on the humanistic movement. Rigutini's *Le Rime di Francesco Petrarca* (Milano, Hoepli, 1896); Fornaciari's *Novelle scelte dal Decamerone di G. Boccaccio* (Firenze, Sansoni, 1889).

- [25] *Italian Literature of the Thirteenth Century.* 1 hr.

Reading of texts, with reference both to their literary qualities and to the history of the language. Particular attention will be paid to the early lyric poetry of Italy and its relation to the poetry of Provence.

Monaci's *Crestomazia italiana dei primi secoli*; Casini, *Forme metriche italiane*.

Omitted in 1902-1903.]

- [26] *Fable-literature in the Middle Ages.* 1 hr.

Study of the history of Æsopic fables from ancient times to the present, with special reference to the medieval French and Italian collections; the relation between the fables and the beast-epic. Lectures, reading, reports on assigned topics.

Omitted in 1902-1903.]

#### RUSSIAN

- [27] *Elementary Russian.* 3 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

Omitted in 1902-1903.]

- [28] *Advanced Russian.* 3 hrs.

A general course in Russian literature in connection with the reading of a historical chrestomathy and the detailed study of a few important works.

Omitted in 1902-1903.]

#### GERMANIC LANGUAGES

##### GERMAN

Professor PALMER :—

- [29] *Introduction to Germanic Philology.* 2 hrs.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental facts. The basis of the work is Paul's *Grundriss der Germanischen Philologie*, of which portions are read, discussed, and supplemented by informal lectures.

Omitted in 1902-1903.]

30 *Gothic.* 2 hrs.

An introductory course, especially for those who intend to study German or English historically, in the study of Gothic and its phonological relations to both earlier Indo-Germanic and later Germanic languages. Braune's *Gotische Grammatik* or Streitberg's *Gotisches Elementarbuch*, Heyne's *Ulphilas*, Streitberg's *Urgermanische Grammatik* or Dieter's *Altgermanische Dialekte*, and Henry's *Comparative Grammar of English and German*.

31 *Early Dramatic Literature of Germany.* 3 hrs.

Studies in the origins and earliest history of the drama in Germany.

\*32 *Goethe, Life, Shorter Poems and Faust.* 2 hrs.

[See Course X C 1, page 103.]

\*33 *Goethe, Prose Works.* 1 hr.

[See Course X C 2, page 103.]

\*34 *History of German Literature, 1624-1832.* 2 hrs.

[See Course X C 4, page 103.]

[Omitted in 1902-1903.]

Professor GRUENER :—

35 *Middle High German.* 3 hrs.

Hartmann: *Der Arme Heinrich* and *Iwein*. *Nibelungenlied*. Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parsival*. Lectures and papers.

[36 *German Literature of the Reformation Period (1500-1624).* 3 hrs.

The development of German literature is studied from the beginning of the Reformation to the time of Opitz. Characteristic works of the important writers of the period are read, chiefly for literary purposes, though also with reference to the political, social, and religious conditions of the times.

Omitted in 1902-1903.]

\*37 *Schiller, Works and Life.* 2 hrs.

[See Course X B 4, page 102.]

Professor CORWIN :—

- [38 *Old High German.* 3 hrs.

A rather detailed course in the oldest High German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, and the collateral literature for reference.

Omitted in 1902-1903.]

- 39 *History of New High German.* 2 hrs.

The earlier periods of the language will first be surveyed, for the purpose of gaining a comprehensive idea of the chief linguistic phenomena and their causes. Upon this basis a more special study will be made of the origin and development of New High German.

Dr. GLASCOCK :—

- 40 *Phonetics of Modern German.* 1 hr.

During the first half-year a course of lectures and practical exercises in phonetics will be given, the primary object of which will be scientific knowledge of the processes involved in the correct pronunciation of modern German.

- 41 '*Storm and Stress*' in German Literature. 1 hr.

The period in German literature known as *Sturm und Drang*, its origin, and its relation to early Romanticism, will be studied. A course of lectures will be given, and selections will be read from Klinger, Leisewitz, Wagner, Lenz, Maler Müller, Schubart, and, perhaps, Goethe and Schiller. The text-books will be: *Stürmer und Dränger*, *Deutsche National-literatur*, hrsg. von J. Kürschner, Bände 79-81, Stuttgart.

#### SCANDINAVIAN

Professor PALMER :—

- 42 *Old Norse (Icelandic).* 3 hrs.

Grammar, and reading in the Sagas and the Elder Edda.

- 43 *Norwegian and Danish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

[44 *Swedish.* 2 hrs.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, selections from the writings of modern authors are read.

Omitted in 1902-1903.]

## ENGLISH

## Professor LOUNSBURY :—

45 *The Early Victorian Era: Tennyson and his Contemporaries.* 2 hrs.

## Professor BEERS :—

\*46 *Milton and his Contemporaries.* 2 hrs.

[See Course XII C 12, page 112.]

\*47 *Medieval Allegory.* 2 hrs.

[See Course XII C 3, page 111.]

## Professor COOK :—

The strictly graduate courses offered below are given according to circumstances and the needs of the graduate students actually in attendance; and special attention is given to the supervision of individual research in any part of the general field.

48 *Encyclopaedia and Methodology of English.* 2 hrs.

This course is designed to acquaint the student with philological principles in general, with the more important branches of scholarship relative to the English language and literature, with a few of the representative books in each of these branches, and with the scope and method of research in this department.

49 *Theories of Poetry.* 2 hrs.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense*

of Poesy, Woodbridge's *The Drama*, Boileau's *Art of Poetry*, Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

50 *Dante in English.* 2 hrs.

A course primarily in the *Divina Commedia* and the *Vita Nuova*, though selections from the other works are also read. Two or three of the best English translations are employed, together with such reference books as may be necessary. Much attention is bestowed upon the historical and literary background of the poet and his works.

51 *Advanced Old English.* 2 hrs.

Selected works read especially with reference to the acquisition of scholarly methods. The course this year begins with the study of Cook's edition of Cynewulf's *Christ*.

52 *Seminary in English Literature.* 3 hrs.

A critical study of some representative writer or department of literature. In 1894-95, Ben Jonson was selected; in 1895-96, Browning; in 1896-97, Chaucer; in 1897-98, the Jacobean Drama; in 1898-99, Spenser; in 1899-1900, 1900-1901, and 1901-1902, Chaucer.

53 *Historical English Prosody.* 2 hrs.

A brief consideration of metres in the related languages, followed by an outline of the subject traced from the Old English period to the present day.

54 *Old and Middle English.* 2 hrs.

An elementary course in the beginnings and earlier development of the English language and literature. Reading is begun at the earliest practicable moment, and the study is made as literary in character as is consistent with a thorough grounding in the rudiments of the language. This course, while it is indispensable to all graduate students and future teachers of English, and will also be of service to students of English history and of the English Bible, is designed as well for those who, in the pursuit of general culture, are unwilling to remain ignorant of the foundations of the English language and literature.

Professor LEWIS :—

[55 *Verse Composition.* 1 hr.

Fortnightly practice in verse composition, with regular appointments for consultation and criticism.

Omitted in 1902-1903.]

56 *Shakespeare.* 2 hrs.

A minute study of three or four of the greater plays, such as *Macbeth*, *King Lear*, *Hamlet*. Critical examination of the text, and of the work of the leading commentators, and investigation of dates and sources.

Professor PHELPS :—

57 *Elizabethan Literature.* 2 hrs.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Wyatt, Surrey, Ascham, Foxe, Painter, Lyly, Raleigh, Greene, Nash, Lodge, Marlowe, Hooker, Sidney, Spenser, Shakespeare, Davies, Drayton, Chapman, and others. Lectures, discussions, and preparation of special papers by members of the class.

58 *English Literature of the Seventeenth Century.* 2 hrs.

A rather minute study of English poetry and prose from Donne to Dryden. The poetry of Donne, Drummond, Herbert, Crashaw, Vaughan, Quarles, Carew, Suckling, Herrick, Cowley, Milton, Waller, Marvell, Butler, and Dryden is read; also the prose of Burton, Browne, Taylor, Pepys, Fuller, Walton, Clarendon, Milton, Bunyan, and Dryden. The social life of the times is discussed.

\*59 *Tennyson and Browning.* 2 hrs.

[See Course XII B 12, page 110.]

Professor CROSS :—

60 *English Prose Fiction.* 1 hr.

The period covered by this course varies from year to year. For 1902-3, the subject will be phases of the novel during the nineteenth century, from Scott to the present time.

61 *Romantic Verse since 1850.* 1 hr.

This course deals mainly with the so-called Pre-Raphaelites, as Dante Gabriel Rossetti and William Morris. These and other poets are studied in connection with the medieval romances from which they drew. The work thus includes literary history and a study of sources.

Assistant Professor BALDWIN :—

- \*62 *Rhetoric (six essays in criticism)*. 1 hr.

[See Course XII C 1, page 107.]

- [63 *The Transition Period* (after 54 or its equivalent). 1 hr.

Studies in fifteenth century English language and literature ; the development of prose in syntax and style (Pecock, Malory More, Fortescue, Caxton, the Paston letters) ; the Chaucerian tradition in poetry ; the ballads ; the passing of romance.

Omitted in 1902-1903.]

Dr. OSGOOD :—

- 64 *Middle English Romances*. 1 hr.

A study of the various groups of romances based upon Billings' *Guide to Middle English Metrical Romances*, supplemented in some cases by other outlines. The work will consist in part of the detailed study of two or three texts in the best editions, such as Hall's *King Horn*, Hausknecht's *Floris and Blancheflur*, and Kölbing's *Amis and Amiloun* and *Sir Tristram*. This will be supplemented by more extended reading in the romances and elsewhere for the purpose of obtaining a general survey of the subject.

Mr. J. C. ADAMS :—

- \*65 *English Literary Criticism*. 2 hrs.

[See Course XII B 13, page 110.]

#### THE USE OF THE LIBRARY

Mr. KEOGH :—

- 66 *Bibliography*.

Ten lectures on certain practical aspects of bibliography. Discussion of general reference books ; the means of finding what has been published on a subject ; the reviewing of books ; the classification and cataloguing of libraries ; the taking and filing of notes and references ; the compilation of bibliographies ; the making of indexes ; the printing of theses ; the law of copyright.



## VI. PHYSICAL AND NATURAL SCIENCE

WILLIAM H. BREWER, Ph.D.	ARTHUR W. WRIGHT, Ph.D.
ADDISON E. VERRILL, M.A.	SIDNEY I. SMITH, M.A.
WILLIAM G. MIXTER, M.A.	HENRY S. WILLIAMS, Ph.D.
EDWARD S. DANA, Ph.D.	CHARLES S. HASTINGS, Ph.D.
FRANK A. GOOCH, Ph.D.	RUSSELL H. CHITTENDEN, Ph.D.
SAMUEL L. PENFIELD, M.A.	HORACE L. WELLS, M.A.
CHARLES E. BEECHER, Ph.D.	LOUIS V. PIRSSON, Ph.B.
HARRY B. FERRIS, M.D.	HENRY S. GRAVES, M.A.
PHILIP E. BROWNING, Ph.D.	JAMES W. TOUMEY, M.S.
HENRY L. WHEELER, Ph.D.	ALEXANDER W. EVANS, M.D., Ph.D.
HERBERT E. GREGORY, Ph.D.	LAFAYETTE B. MENDEL, Ph.D.
WESLEY R. COE, Ph.D.	EDWARD A. BOWERS, B.A.
WILLIAM J. COMSTOCK, Ph.B.	LEONARD M. TARR, M.A.
ISAAC K. PHELPS, Ph.D.	GEORGE F. EATON, Ph.D.
HARRY W. FOOTE, Ph.D.	HENRY H. ROBINSON, Ph.B.
WILLIAM E. FORD, JR., Ph.B.	

The work in PHYSICS is carried on in the Sloane Physical Laboratory, and the Physical Laboratory of the Sheffield Scientific School in Winchester Hall.

The work in CHEMISTRY in the Sheffield Chemical Laboratory, and in the Kent Chemical Laboratory.

The work in MINERALOGY, PETROLOGY, GEOLOGY, PALEONTOLOGY, and ZOOLOGY in the Peabody Museum of Natural History.

The work in PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY in the Sheffield Biological Laboratory.

The work in COMPARATIVE ANATOMY and GENERAL BIOLOGY in the Sheffield Biological Laboratory.

The work in BOTANY in the Eaton Herbarium, Sheffield Hall.

The work in FORESTRY in the Forest School.

The GEOLOGICAL CLUB is an association of the instructors and graduate students, for the purpose of encouraging the students to prepare papers, and aid in the discussion of current topics of interest in geological subjects.

The PHYSICS JOURNAL CLUB, open to graduate students in Physics, meets weekly for the review and discussion of the current literature in this department of study.

The PHYSICAL CLUB, organized for study, criticism and discussion, holds fortnightly meetings. Open to graduate and advanced students in Physics.

The KENT LABORATORY JOURNAL CLUB meets fortnightly for the review and discussion of current chemical literature.

The CHEMICAL CLUB, composed of instructors, graduate students, and others interested in chemistry, holds fortnightly meetings for the presentation and discussion of papers and reviews of recent work.

The BIOLOGICAL CLUB, composed of instructors, graduate students, and others instructed in Biology, meets fortnightly for the presentation and discussion of papers and reviews of recent work.

#### PHYSICS

Professor A. W. WRIGHT :—

- 1 *Physics.* 4 hrs., to count as 2 hrs.

Chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, electricity, and magnetism, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

- 2 *Physics (Advanced Course).* 4 hrs., to count as 2 hrs.

Practical work in the Sloane Physical Laboratory, with instruction in the principles and methods of physical investigation, the processes and instruments of measurement, and the methods of computing and reducing results of observations. Special attention is paid to practical measurements in optics, electricity, and magnetism. The student is expected to make original

investigations an important part of his work, and has the free use of the laboratory facilities for carrying them on.

For those who have already pursued course 1 or its equivalent.

**Professor HASTINGS :—**

3 *Physics.* 3 hrs. lectures, 6 hrs. laboratory work.

Laboratory work in the Sheffield Physical Laboratory, supplemented by lectures on the theory of observation with the method of least squares, and on the theory of electricity and electrical instruments. The use of the laboratory is at the command of the student at all times.

For courses in Mathematical Physics, see VII.

**CHEMISTRY**

**(COURSES IN THE SHEFFIELD CHEMICAL LABORATORY)**

The analytical laboratories of the Sheffield Scientific School are open to students in term time from 9 to 1 and from 2 to 5 o'clock, every week-day except Saturday. The greater part of the instruction is given in the laboratory to each student separately, but the various classes have, in addition, two or more lectures or recitations a week, in connection with the studies pursued in the laboratory.

**Professor MIXTER :—**

4 *Chemical Physics.*

Especially the methods employed in the determination of molecular masses and specific heat.

**Professor WELLS :—**

5 *Qualitative Analysis.* 1st term.

Embraces a study of the commonly occurring elements in their qualitative relations, and includes a systematic course of analysis for the same. A good knowledge of elementary chemistry is a necessary preparation for this. If desired, the course is extended to include a study of many of the rare elements.

## 6 *Quantitative Analysis.*

This is open only to those who have taken course 5 or its equivalent.

(a) *Gravimetric Analysis.* Second term. Embraces a series of exercises involving a considerable number of important methods.

(b) *Volumetric Analysis.* First term. This follows the gravimetric analysis. It includes the most important and typical methods.

(c) *Ultimate Organic Analysis.* First term.

## 7 *Inorganic Preparations.* 1st half of 2d term.

A course of laboratory work, with lectures and recitations. About thirty or forty compounds are prepared, which give a variety of important and instructive processes.

## 8 *Advanced Quantitative Analysis.*

(a) *Metallurgical Chemistry.* The analysis of ores, fuels, fluxes, alloys, metals, and other furnace products.

(b) *Mineralogical Chemistry.* The analysis of minerals for scientific purposes.

## 9 *Metallurgy and Assaying.* 2d half of 2d term.

A course of recitations and lectures on elementary metallurgy, followed by a short course of demonstrative lectures on gold and silver assaying, with the practical application of assaying to a few typical ores.

## 10 *Technical Gas-Analysis.* 2d half of 2d term.

A short practical course, including the principal methods.

## 11 *Sanitary Water-Analysis.* 1st half of 2d term.

A practical course in the chemical examination of drinking-waters. Two exercises of three hours each per week.

## 12 *Investigations in Inorganic Chemistry.*

Opportunities are offered, to those who have had sufficient preparation, to make researches upon analytical methods, the preparation of chemical compounds, and other scientific problems.

Mr. COMSTOCK :—

- 13 *Elementary Organic Chemistry.* Both terms.

During the first four weeks of the second term the afternoon exercises are omitted and daily laboratory work substituted, 9.00 A. M. to 1.00 P. M., with occasional lectures at 12.00 M.

- 14 *Organic Chemistry.* 2 hrs. 1st term.

A continuation of the above course. Recitations and lectures.

Assistant Professor H. L. WHEELER :—

- 15 *Advanced Organic Chemistry.*

This offers an opportunity for more extended study and original investigation to those who have proper preparation.

- 16 *Organic Preparations.* 2d half of 2d term.

Laboratory work, consisting of five exercises per week of about three hours each, in the preparation of such compounds as will give familiarity with the most important synthetical methods.

Dr. FOOTE:—

- 21 *Physical and Electro-Chemistry.* 2d half of 2d term.

A course of lectures on the theory of Physical and Electro-Chemistry, one hour weekly.

- 22 *Physico-Chemical Measurements.* 2d term.

Laboratory practice in the more important methods of Physical Chemistry.

- 23 *Electro-Chemistry.* 2d term.

Experimental work in Electro-Chemistry, including the usual measurements, quantitative electro-analysis, and the synthesis of organic and inorganic compounds.

## (COURSES IN THE KENT LABORATORY)

The Kent Laboratory is open daily from 9.00 A. M. to 1.00 P. M., and from 2.00 to 5.00 P. M., to students who take strictly graduate courses.

Professor GOOCH, Assistant Professor BROWNING, and  
Dr. I. K. PHELPS :—

\*24 *Inorganic Chemistry—Experimental and Descriptive.*

3 exercises—6 hrs.

[See Course XV A 1, page 120.]

Assistant Professor BROWNING :—

\*25 *Qualitative Analysis.*

3 exercises—5 hrs.

[See Course XV B 1, page 120.]

Professor GOOCH and Dr. I. K. PHELPS :—

\*26 *Organic Chemistry.*

3 exercises—5 hrs.

[See Course XV B 2, page 121.]

Professor GOOCH :—

\*27 *Quantitative Analysis.*

2 exercises—6 hrs.

[See Course XV C 1, page 121.]

28 *Quantitative Analysis (second course).*

Practice in the more complex processes of gravimetric, volumetric, and electrolytic analysis.

29 *Chemical Theory.*

1 hr.

This course is devoted to the discussion of the general principles and modern theories of chemistry.

30 *Special Methods.*

Laboratory practice in special methods of analysis and research.

31 *Original Work and Research in Inorganic Chemistry.*

(a) Special problems of *analysis*—either experimental criticism of known processes or constructive work looking towards the development of new methods.

(b) The critical examination of reactions.

Assistant Professor BROWNING :—

32 *The Rare Elements.* 2 exercises—3 hrs.

Lectures with laboratory work covering the principal reactions of the elements not included in the general course. The methods in use for the qualitative and quantitative determination of these elements are carefully studied, and a systematic arrangement developed so far as practicable.

33 *Inorganic Preparations.* 2 hrs.

A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts.

Dr. I. K. PHELPS :—

34 *The Carbon Compounds—Descriptive and Theoretical.* 3 hrs.

A course of lectures treating systematically the more important compounds of carbon and the theories concerning them. An elementary knowledge of organic chemistry is desirable as a preparation.

35 *Organic Synthesis.*

Laboratory practice in synthetical processes too long or too complicated to be included in the experimental work of course 26.

MINERALOGY.

Professor PENFIELD :—

36 *Determinative Mineralogy.* 3 hrs.

The object of this course is to gain familiarity with the common minerals together with facility in their identification. The subject is treated mainly from a chemical standpoint, and it is assumed that all who take the course have some familiarity with the principles of elementary chemistry. A portion of the time allotted to the course (about one quarter) is devoted to the study of simple chemical reactions performed both in the dry way with the aid of the blowpipe and in the wet way with reagents, and such tests are subsequently made the basis of the determination of mineral species. The mineralogical laboratory is open daily from 9-1 and (Saturdays excepted) from 2-5, and by devoting more than the allotted time to the subject the course may be extended to any desired extent.

37 *Crystallography and Descriptive Mineralogy.*

2 hrs. 1st half of 2d term, 3 hrs. 2d half of 2d term.

These two subjects are treated together, a group or class of crystals being first studied and then the mineral compounds belonging to that class. Instruction is given by means of lectures and practical demonstrations, the varieties of form and development of crystals being illustrated by means of glass and wooden models and a collection of natural crystals, while in descriptive mineralogy specimens from the valuable and extensive Brush Collection are studied.

For the benefit of those who can devote but one hour a week to these subjects a course similar to the above, but necessarily abridged, is given each year, it being supposed that those who take the shortened course will be able to supplement it by reading and study so as to make it practically an equivalent to the longer one.

38 *Experimental Work in Crystallography.* Daily.

The chief features of this course are the measurement of the angles of crystals with the reflection goniometer; the plotting of the forms of crystals in the stereographic and linear projections; the calculation of axial ratios of crystals and of the symbols of their faces; and the drawing of crystal forms and combinations. For an elementary course, including a few examples in each of the six systems, a practical exercise (3 hrs.) once a week throughout the year is generally sufficient. A knowledge of plane trigonometry is indispensable, and some experience in mechanical drawing is most desirable.

39 *Experimental Work in the Optical Properties of Crystals.* Daily.

In this course the optical properties of crystals are studied and determined. Students learn to use the refractometer, total reflectometer, polariscope, polarizing microscope, axial angle apparatus and other optical appliances. A knowledge of optics is indispensable.

40 *Original Investigation in Mineralogy and Crystallography.*

Those who are sufficiently advanced may undertake research work in mineralogy and crystallography. Such work may be along the lines of analytical chemistry for determining the composition of minerals, or the crystallographic and optical proper-



ties of minerals may be studied. Material for investigation is available from the Brush Collection and the University Mineral Cabinet.

Mr. FORD :—

41 *Ore Deposits.*

1 hr. 2d half of 2d term.

A short course of lectures of an elementary nature. Emphasis is laid on the principles of ore deposition and short descriptions are given of the typical and important ore deposits of North America. The course is illustrated by lantern slides and by specimens taken from the ore collection of the Sheffield Scientific School. A knowledge of elementary mineralogy and geology is desirable.

PETROLOGY

Professor PIRSSON :—

42 *Petrology.*

Daily, 9 A. M. to 1 P. M.

(a) Study and determination of the rock-making minerals by optical and chemical methods. Includes the use of the petrological microscope.

(b) History, origin, and classification of rocks, commencing with igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are taken up. The work is carried on mostly in the laboratory, with access to collections both of rocks and thin sections.

(c) Original investigation. In sequence to (a) and (b) some special object or locality may be made the subject of investigation. The work requires laboratory methods of determination, both chemical and microscopical, with consultation of the literature and occasionally work in the field. A large amount of material is available in the petrologic collections of the Sheffield Scientific School.

Only those whose previous training in mineralogy and geology has been sufficient to enable them to pursue the subject advantageously are admitted to this course.

43 *Elementary Petrology.*

1 hr. 1st half of 2d term.

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties. Illustrated by collections.

## GEOLOGY

Professor PIRSSON :—

\*44 *Elementary Structural and Dynamical Geology.*

3 hrs. 1st half-year.

[See Course in Geology, page 229.]

Professor BEECHER :—

\*45 *Historical Geology.*

3 hrs. 2d half-term.

[See Course in Geology, page 229.]

Assistant Professor GREGORY :—

\*46 *General Geology.*

2 hrs.

[See Course XVI B 1, page 123.]

Asst. Prof. GREGORY, Prof. WILLIAMS and Mr. ROBINSON :—

\*47 *Geology, with field and laboratory work.*

3 hrs.

[See Course XVI B 2, page 123.]

Mr. H. H. ROBINSON :—

48 *Field Geology.*

The course will consist of field work upon selected areas in the vicinity of New Haven, supplemented by lectures and laboratory exercises upon the construction and use of topographic and geologic maps.

Assistant Professor GREGORY :—

49 *Geology of Connecticut.*

A study of some problem connected with the physical geology of Connecticut. The work will be carried on in connection with the United States Geological Survey and in every case a written report will be required. This report may be presented as a thesis for an advanced degree.

\*50 *Physiography.*

2 hrs.

[See Course XVI C 5, page 124.]

51 *Physiography.*

The origin, development and classification of land forms, as illustrated by some area selected for special study.

Mr. TARR :—

52 *Meteorology.*

This course will include studies of the general circulation of the winds ; the development of storms ; storm tracks and their effect on climate ; thermodynamics of the atmosphere ; methods of forecasting the weather. The instruments, records and charts of the United States Weather Bureau office will be available for research work.

Professor H. S. WILLIAMS :—

2 hrs.

53 *Historical Geology.*

Elementary study of geological formations and of the principles of their classification and correlation by fossils, consisting chiefly of laboratory study of collections, reading of geological literature and the preparation of scientific papers.

54 *Faunal Paleontology.*

Daily.

A special study of fossil faunas, their composition, relations to conditions of environment, origin, geographical distribution and succession in time. The Laboratory of Devonian Paleontology of the United States Geological Survey is available for illustration, as well as the collections in the Peabody Museum. This course is specially intended for men preparing for practical geological survey work, for whom opportunity for summer practice may be arranged.

\*55 *Evolution.*

2 hrs.

[See Course XVI B 5, page 123.]

PALAEONTOLOGY

Professor BEECHER :—

56 *General Invertebrate Paleontology.* 2 hrs. 1st term.

An elementary course, including the careful study in the laboratory of characteristic genera representing the principal orders of fossil invertebrates.

57 *Invertebrate Paleontology ( Special ).*

Systematic study of the structure, development, and affinities of one or more classes of fossil animals. In the laboratory work, attention is given to modern methods of preparation and preservation of specimens.

58 *Original Investigation in Invertebrate Paleontology.*

Following 57, 58, opportunity is given to take up some special subject for investigation and the discovery of facts new to science.

The requisite material is available in the extensive collections of the Peabody Museum.

The work in these courses (57, 58) necessitates the frequent consultation of memoirs and scientific reports, occasional field-work, the use of the microscope, the preparation of thin sections, and other methods employed in thorough investigations.

59 *Organic Evolution.* 1st half-year.

Practical illustration of the methods used in modern researches, and the principles governing the classification of organisms.

Courses 56-59 are open to those who have had some previous knowledge of geology and zoology. Course 57: laboratory work 4 hours per week. Course 58: laboratory work three days per week, 2.00-5.00 P. M. Course 59 will require about two hours of lectures and two hours in the laboratory each week. Other hours and divisions of work may be arranged to suit the convenience of students.

#### BIOLOGY

Professor VERRILL :—

60 *Zoology.*

Laboratory practice, recitations, readings, and lectures. The laboratory work is varied according to circumstances, in order to accommodate, as far as possible, those students who wish to pursue special branches. Most of the time is devoted to comparative anatomy, morphology, histology, and systematic zoology. Ample collections in the Peabody Museum, representing all classes of animals, are available for instruction, while the proximity to the sea makes it easy to provide fresh or living examples of most classes of marine animals for study and dissection.

Professor S. I. SMITH and Assistant Professor COE :—

\*61 *Elementary Anatomy and Histology.* 4 hrs. 1st term.

\*62 *Comparative Anatomy and General Biology.* 6 hrs. 2d term.

[See Course in Comparative Anatomy, page 227.]

**63** *Comparative Anatomy and General Biology.*

Graduate students who have had sufficient elementary training are received in the Sheffield Biological Laboratory, and are provided with special advanced courses of instruction adapted as far as possible to the particular wants of the individual student. Such courses may cover either or both terms, and require at least three hours of laboratory work per day for two or more days each week. To such students the laboratory is open five days a week.

**64** *Morphology and Embryology of Vertebrates.*

1st half of 2d term.

A course of about twenty exercises of two hours each, consisting of lectures and demonstrations with laboratory work. The classification of vertebrate animals, and the comparative morphology of the different sets of organs in the various groups, is first discussed with special reference to human morphology. Then the development, fertilization and cleavage of the egg, and the formation of the germ layers, tissues and organs of the vertebrate body are taken up in order. The course may be supplemented, if desired, by more extended practical work in the laboratory.

Assistant Professor COE :—

**65** *Biology of the Cell, and General Embryology.*

A general course in Cytology, consisting of laboratory work supplemented by informal lectures, on the structure and manifestations of the animal cell, with special attention to maturation, fertilization, and cleavage of the ovum. The subject is treated with reference to its bearing on the problems connected with the phenomena of growth, heredity and evolution. The course may be arranged for either the first or second term, and will include the practical study of protoplasmic structure and movement, various types of cells with resting nuclei, cell-division, conjugation in unicellular animals, structure of spermary and development of spermatozoa, ovary and development of the ovum, fertilization, parthenogenesis, types of cleavage, and formation of primary layers of the embryo. Considerable attention is given to the technique of the subject, and to experimental embryology.

In addition to the above, special courses may be arranged for either term to meet the requirements of individual students

and such courses may include a study of the later stages of the development of the embryo, with special reference to the vertebrates.

A special course to include the practical study of the development of the chick may be arranged for either the first or second term.

Dr. EATON :—

66 *Comparative Osteology.* 2 hrs.

An elementary course especially designed as a preparation for the study of Vertebrate Paleontology. Laboratory work in which the most important types of the vertebrate skeleton are studied and compared.

Professor FERRIS :—

67 *Comparative Morphology of the Vertebrate Brain.* 1 hr.

A course extending through the entire year, consisting principally of dissections and drawings, with some demonstrations and lectures, on the embryology and general morphology of the brain.

Professor CHITTENDEN and Assistant Professor MENDEL :—

68 *Physiological Chemistry.*

Graduate students who have sufficient knowledge of analytical and organic chemistry and elementary physiology are received in the Sheffield Biological Laboratory at the beginning of the academic year, where they can pursue a course in physiological chemistry extending throughout the entire year. The course necessitates, on an average, four hours of laboratory work each day, and attendance at lectures and recitations three or four times each week. Opportunities are afforded also for the carrying on of original investigations, and to students qualified for such work the laboratory is open during the entire day.

Students who are desirous of studying any special subject in physiological chemistry and have but a limited amount of time are received also, provided they are qualified by previous work to pursue the study advantageously.

69 *Experimental Physiology.* 3 hrs.

Essentially a laboratory course intended to afford experimental acquaintance with certain departments of physiology, and giving particular reference to general physiological methods. The

physiology of muscle and nerve, of the circulation, secretion, etc., is considered in some detail. Other departments are treated in a more elementary manner; a brief survey of the entire field is thus afforded, while certain topics are studied with sufficient thoroughness to give training in technique and appreciation of the aims and methods of research. Opportunity is also afforded for more advanced work in certain lines of experimental physiology.

70 *Physiological Seminary.* 2 hrs. both terms.

A study of the recent advances in physiology and physiological chemistry is undertaken. Informal talks are given on the bearing which recent discoveries in physiology have on existing views, and the students are required to prepare reports and reviews of work appearing in the current German, French, and English physiological literature.

Professor CHITTENDEN :—

71 *Experimental Toxicology.* 2d half 2d term.

A course of about twenty lectures, with demonstrations on the physiological action of the more important mineral and alkaloidal poisons. This course can be supplemented, if desired, by laboratory work on the chemical reactions of poisons, with a study of the methods of detecting and separating poisons.

\*72 *Physiology.* 1 hr.

[See page 126.]

\*73 *Physiological Chemistry.* 4 hrs. 2d term.

[See Course XVII C 1, page 126.]

74 *Physiology of Nutrition.* 3 hrs. 1st half 2d term.

[See Course in Physiological Chemistry, page 227.]

Assistant Professor EVANS :—

\*75 *Botany.* 4 hrs., to count as 2 hrs.

[See Course XVIII A 1, page 127.]

76 *General Morphology of Plants.* 4 hrs., to count as 2 hrs.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in

suitable types, and their structure, development, and mode of life are studied and compared. The course is limited to those who show a satisfactory knowledge of the botany of flowering plants.

77 *Advanced Morphology and Taxonomy of Plants.*

The botanical laboratory is open throughout the year to graduate students, properly qualified, who may wish to pursue advanced studies along some special line in morphological or taxonomic botany. The instruction will be adapted as far as possible to the needs of the individual student.

For a course in *The Statistical Theory of the Evolution of Man*, see *The Social Sciences* course 36.

#### FORESTRY

The following courses given in connection with THE FOREST SCHOOL are open to graduate students.

Assistant Professor TOUMEY and Assistant :—

78 *Forest Botany.* 2 to 4 hrs.

[See Course 2, page 382.]

Professor BREWER :—

79 *Meteorology and Forest Physiography.* 4 hrs. 1st half of 2d term.

[See Course 7, page 384.]

Mr. AKERMAN :—

80 *Introduction to Forestry.* 3 hrs. 1st half-year.

[See Course XVIII A 2, page 127 ; page 385.]

Professor GRAVES :—

81 *Silviculture.* 3 hrs.

[See Course 15, page 386.]

Mr. BOWERS :—

82 *Forest Administration and Law.* 1 hr. 1st half of 2d term.

[See Course 23, page 388.]



Mr. AKERMAN :—

83 *History of Forestry.*

1 hr. 1st term, and  
1st half of 2d term.

[See Course 22, page 388.]

Assistant Professor TOUMEY :—

84 *Forest Technology.*

2 hrs. 1st term, and  
1st half of 2d term.

[See Course 19, page 387.]

## VII. MATHEMATICS

J. WILLARD GIBBS, Ph.D., LL.D.	CHARLES B. RICHARDS, M.A.
EUGENE L. RICHARDS, M.A.	A. JAY DuBOIS, Ph.D.
WILLIAM BEEBE, M.A.	ANDREW W. PHILLIPS, Ph.D.
JAMES PIERPONT, Ph.D.	PERCEY F. SMITH, Ph.D.
SAMUEL E. BARNEY, C.E.	HENRY A. BUMSTEAD, Ph.D.
MILTON B. PORTER, Ph.D.	WILLIAM A. GRANVILLE, Ph.D.
HERBERT E. HAWKES, Ph.D.	EDWIN B. WILSON, Ph.D.
EARLE R. HEDRICK, Ph.D.	ARTHUR S. GALE, Ph.D.

Connected with the department are the Seminary rooms, the Mathematical Laboratory, the Collection of Models, the Mathematical Club, the Engineers' Club.

The SEMINARY ROOMS, which are at 90 High street, may be used by all students in mathematics. They afford a place for students to meet for the discussion of mathematical questions, and study. There is a good departmental reference library, and also a collection of drawings and models made by students of previous years illustrating various theories. Many of the lectures in this department of past years have been reported and are here to be found bound and ready for consultation.

The MATHEMATICAL LABORATORY occupies a commodious room on the floor below the seminary rooms. It is well equipped with tools and drawing instruments necessary to construct mathematical models. Students are given direction and advice for the proper and expeditious construction of models more or less elaborate, illustrating the subjects they are studying. Such models and drawings serve to develop the student's geometrical intuition as well as to make more clear the particular theory in hand. Students who expect to become teachers will find the laboratory most useful in acquiring facility in preparing simple models to illustrate subjects they may later have to teach.

The COLLECTION OF MATHEMATICAL MODELS is one of the most extensive in the country, and is constantly growing. Besides a very complete selection of plaster and thread models from Brill and Schilling, etc., the collection contains a large number of models illustrating the teaching of solid geometry, the theory of equations, and various kinematical principles, as well as the theory of twisted curves and surfaces which have been made under the direction of instructors of the department.

The MATHEMATICAL CLUB holds fortnightly meetings, at which are presented summaries of articles in current periodicals and recent works on pure and applied mathematics, descriptions and models of new apparatus, also papers containing the results of the original investigations of the instructors and advanced students in this department. All students are encouraged to prepare papers which, while not original, give a comprehensive survey of some field of mathematics, or treat from a new standpoint some question of general interest to the members of the club.

The ENGINEERS' CLUB meets monthly in North Sheffield Hall for the reading and discussion of papers on subjects relating to the different branches of engineering.

Lectures are occasionally given before the club by professional experts.

#### PURE MATHEMATICS

Professor GIBBS :—

I *Vector Analysis.*

3 hrs.

In the first part of this course the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The matter taught is not entirely unlike that usually given in courses in quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's. The same method is then applied to differentiation with respect to position in space, the theory of the potential and allied functions, and that of linear

vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed as an introduction to the study of mathematical physics.

2 *Multiple Algebra.* 2 hrs.

The object of this course is to give some idea of the methods and results of the principal non-arithmetical algebras, especially of the *Ausdehnungslehre* and the algebra of matrices. It is intended for such students as have already some familiarity with the algebra of vectors, derived from the preceding course or from the study of quaternions.

3 *Electro-magnetic Theory of Light.* 2 hrs.

This course commences with the general theory of harmonic motion and its representation by complex scalar and vector quantities. The laws of electrodynamics are then applied to the phenomena of the propagation of light in isotropic and æolo-tropic media, and its reflection at a surface between two such media, including the case of an absorbent medium, and the dispersion of colors.

In the year 1903-1904, in addition to course 1 in vector analysis, the following may be expected :

[4 *Electricity and Magnetism.* 1 hr.

In this course, which is based on Maxwell's theory, the student is taught the use of vector methods in this branch of physics.

Omitted in 1902-1903.]

[5 *Thermodynamics and Properties of Matter.* 2 hrs.

This course is a development of the consequences of the two fundamental laws of thermodynamics, as affording a general theory of physical and chemical equilibrium, and as giving shape to the investigation of the sensible properties of matter.

Omitted in 1902-1903.]

Professor BEEBE :—

6 *Analytical Mechanics.* 3 hrs. 1st half-year.

The object of this course is to introduce the student to the more important facts of statics and dynamics, making use of the calculus. To develop the student's mechanical intuition, a large variety of problems is given.

Books of reference: Bowser's *Analytical Mechanics*; Ziwet's *Mechanics*; Williamson's *Dynamics*; Voigt's *Mechanik*; Appell's *Traité de Mécanique rationnelle*.

7 *Celestial Mechanics.* 3 hrs. 2d half-year.

Development of formulae and numerical calculations for determining parabolic and elliptic orbits from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to the discussion of perturbations.

Professor PIERPONT:—

8 *Advanced Calculus.* 3 hrs.

This is a continuation of the first course in calculus, and in turn leads up to courses in higher analysis and geometry. More advanced parts of the calculus are here treated, especial attention being given to applications to the theory of curves and surfaces.

Books of reference: Byerly's *Differential and Integral Calculus*; Serret-Bohlmann's *Differential und Integral Rechnung*.

9 *Projective Geometry.* 3 hrs.

Both the analytic and synthetic methods will be used to develop the fundamental properties of points, lines, planes, conics and quadric surfaces, and the linear transformation in the plane and in space.

10 *Advanced Theory of functions of a complex variable.* 3 hrs.

The theories of Riemann and Weierstrass will be developed and compared. Some account of the recent work of Borel, Hadamard, Mittag, Leffler and others concerning Taylor's Series and its analytic prolongation, will be given.

Professor P. F. SMITH:—

11 *Advanced Analytic Geometry.* 2 hrs. 1st half-year,  
3 hrs. 2d half-year.

A thorough acquaintance with Analytic and Projective Geometry is assumed, such as would be gained from introductory

courses in these subjects. The spherical geometries of Darboux and Lie and the line geometry of Pluecker will be discussed with their corresponding groups, and the course will extend somewhat into the geometry of contact transformations.

- 12 *Higher Analysis.* 2 hrs. 1st half-year.

This course includes a brief study of determinants and various problems in the calculus.

Assistant Professor BUMSTEAD :—

- 13 *Problems in Mathematical Physics.* 2 hrs.

The application of the general equations of physics to the solution of definite problems possessing theoretical or experimental interest. During the coming year the course will have to do mainly with the propagation of electrical waves along wires and in the neighborhood of conducting masses. As a preliminary, the properties of Bessel's functions will be developed as far as may be necessary for the purposes of the course.

Assistant Professor PORTER :—

- 14 *Differential Equations and Function Theory.* 3 hrs.

Topics are : definite integrals, Gamma functions, elements of the function theory of a complex variable, elliptic functions with application to physics and geometry, differential equations, particularly the equations of mathematical physics.

- 15 *Invariants.* 3 hrs. 2d half-year.

The theory of invariants of binary and ternary forms will be developed with especial reference to its geometrical significance in the geometry of the right line and plane.

Dr. HAWKES :—

- 16 *Higher Algebra.* 3 hrs.

Topics of the following nature will be treated: Integral rational functions, reducibility, symmetric functions, quadratic forms, numerical solution of equations, elimination, Kronecker's theory of characteristics, roots of unity, Galois' theory.

- 17 *Complex Multiplication of Elliptic Functions.*

3 hrs. 2d half-year.

The theory will be treated with particular reference to the theory of binary quadratic forms of negative determinant, and the general theory of algebraic numerical fields.

Dr. GRANVILLE :—

18 *Analytical Mechanics.* 2 hrs.

An advanced course in this subject, treating of the kinematics of a rigid body, the general equations of dynamics, etc. A good knowledge of the Calculus and a previous course in elementary mechanics is assumed.

In connection with this course the student will be given an opportunity to construct models in the mathematical laboratory.

Dr. HEDRICK :—

19 *Partial Differential Equations.* 3 hrs.

The course will begin with an elementary exposition of the subject, including simple methods of integrating particular equations. Some of the topics to be treated are: the reduction of equations of the first order to a set of ordinary equations; the Cauchy-Kowalewski theorems, and allied existence theorems; characteristics; singular solutions; Pfaff's problem; Lie's transformations; the boundary value problem; and the equations of mathematical physics.

Books of reference: Picard, *Traité d'Analyse*; H. Weber, *Die partiellen Differentialgleichungen* (Riemann's lectures); E. Goursat, *Leçons sur l'intégration des équations aux dérivées partielles*; S. Lie, *Differentialgleichungen*; Forsyth, *Theory of Differential Equations*; E. von Weber, *Das Pfaff'sche Problem*; Fricke, *Functionentheoretische Vorlesungen*; and various articles in the *Encyklopädie der Mathematischen Wissenschaften*, Bd. II.

A thorough knowledge of the Calculus and previous courses in Surface Theory and in Ordinary Differential Equations will be assumed.

Dr. GALE :—

20 *Theory of Transformations of Space.* 3 hrs. 1st half-year.

This course will deal, synthetically and analytically, with the Euclidean and conformal transformations, collineations and correlations in spaces of two and three dimensions. The idea of a *group of transformations* will be emphasized throughout by the study of the finite and infinite continuous and discontinuous groups presenting themselves in connection with the various transformations considered. Finally, the elements of the theory of contact transformations will be developed.

## ENGINEERING AND PRACTICAL ASTRONOMY

Professor C. B. RICHARDS :—

*MECHANICAL ENGINEERING.*

This course, arranged for candidates for the degree of Mechanical Engineer, is open also to special graduate students, who are allowed in certain cases to take selected parts. The leading topics are :

21 *Applied Mechanics.*

Including graphical methods in applied kinematics, and in the investigation of mechanisms working with friction ; graphical determinations of the accelerations of the moving parts of machines ; the strength of materials as affecting the proportions of machine elements ; the applications of the principles of hydraulics to the construction and working of turbines and pumps.

22 *Thermodynamics.*

Applications to the compound steam-engine, air compressors and compressed air motors, engines worked by volatile vapors, refrigerating machines, the warming and ventilation of buildings.

23 *Machine-Design.*

In this course the student is engaged in practical exercises under the guidance of the professor in charge, investigating machinery, the designing and making of working-drawings, specifications, and estimates for machines and manufacturing plant. In addition to the study of machines in general, one of the following subjects (at the option of the student) receives particular attention : (a) Marine engineering ; (b) Railway machinery ; (c) Pumping machinery and plant ; (d) Machinery and plant for manufacturing. The student is required to make complete drawings, from new designs, of at least one important piece of machinery under one of these subjects. A compound marine engine and boilers, a locomotive, a turbine-driving centrifugal pump, a blowing-engine for an iron furnace, are examples.

Candidates for the degree of Mechanical Engineer are required to take also a course in mathematics, to sustain a final examination, and to present a satisfactory thesis on a subject approved by the professor in charge of the course.



Professor DuBois :—

*CIVIL ENGINEERING.*

This course offers instruction for advanced graduate students as well as for those students who are regular candidates for the degree of Civil Engineer. It embraces the following topics :

24 *Mechanics applied to Engineering.*

Including the application of kinematics, statics, and kinetics to engineering problems.

25 *Construction and Design.*

Including the strength and properties of materials, construction and design of bridges, roofs, foundations, retaining walls, dams and embankments, masonry arches, specifications and contracts, and the preparation of designs and working-drawings.

Candidates for the degree of Civil Engineer are required to take, in addition, a selected course in mathematics and practical astronomy, and when the facilities in the physical laboratory permit, a course of laboratory work under the superintendence of the professors in charge. They are also required to sustain a final examination, and each to present a satisfactory thesis, accompanied by appropriate designs, upon a subject approved by the professor in charge of the course.

To special students, not candidates for the degree of Civil Engineer, a selection of special topics is allowed.

Professor BEEBE :—

[26 *Practical Astronomy.* 2 hrs.

This course consists of observatory work with astronomical transit and chronograph for determination of sidereal and standard time, and with sextant and theodolite for determination of latitude and azimuth, numerical computations for reduction of observations, derivation of formulae, and recitations from Loomis's *Practical Astronomy*.

Omitted in 1902-1903.]

Assistant Professor BARNEY :—

27 *Geodesy and Practical Astronomy.* 2d term.

Methods of observation, based on measurements, triangulation field-work ; theory of least squares, adjustment of observations, and computation of geodetic latitudes, longitudes, and azimuth.

The study of practical astronomy embraces the use of the sextant and engineer's transit with solar attachment for determining time, latitude, azimuth, and needle variation.

28 *Railway Surveying.* Three weeks in June and July.

A preliminary line for a railroad is run out, and from the contour map so obtained a final line is located, staked out, and cross-sectioned, and estimates are made for construction. The field-work begins Monday, June 15th, and occupies the entire time for three weeks.

29 *Sanitary Engineering.*

a. *Water Supply.* 1st term.

Methods of collecting and distributing water. Designing of reservoirs, pipe systems, and filtration plants.

b. *Sewer Systems.* 2d term.

Design and construction of sewer systems, and disposal of plants.

## VIII. THE FINE ARTS

JOHN F. WEIR, N.A., M.A. JOHN H. NIEMEYER, M.A., S.A.A.

Professor WEIR :—

1 *Technical Course in Painting.*

Only those students who have been qualified by a course in drawing can enter the course in painting. The hours for students of the Graduate School must be determined individually. The charge for instruction, entitling the student to all the privileges of the School, is \$25 for the college year.

2 *Course in Modeling.*

The course consists in modeling from the antique and from the living figure and is supplemented by the lectures given in course 1.

Professor NIEMEYER :—

4 *Course in Drawing.*

Students in the Graduate School may pursue the course in drawing in the Art School without restriction as to time. The charge for instruction is \$25 for the college year, entitling the students to all the privileges of the School as arranged for students from other departments of the University.

## IX. MUSIC.

HORATIO W. PARKER, MA., MUS.D.    SAMUEL S. SANFORD, M.A.  
HARRY B. JEPSON, B.A., MUS.B.    ISIDOR TROOSTWYK,  
H. STANLEY KNIGHT.

Professor PARKER :—

1 *Counterpoint.*

[See Course XXIII B 2, page 154.]

2 *Strict Composition.*

[See Course XXIII C 1, page 154.]

3 *The History of Music.*

[See Course XXIII A 3, page 154.]

4 *Instrumentation.*

2 hrs.

[See Course XXIII C 2, page 154.]

5 *Free Composition.*

[See Course XXIII C 3, page 155.]

Assistant Professor JEPSON :—

6 *Harmony.*

2 hrs.

[See Course XXIII A 1, page 153.]

Professor SANFORD, Assistant Professors JEPSON and  
TROOSTWYK, and Mr. KNIGHT :—

7 *Practical Music.*

Instruction is given in Piano-, Organ-, and Violin-playing to a limited number of students. Fees range from \$50.00 to \$150.00 for the college year.

[See page 155.]



# YALE SCHOOL OF THE FINE ARTS

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## FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

JOHN FERGUSON WEIR, N.A., M.A., *Director, and Professor of Painting*

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JAMES MASON HOPPIN, D.D., LL.D., *Professor of the History of Art, Emeritus*

JOHN HENRY NIEMEYER, M.A., S.A.A., *Professor of Drawing*

JOHN PIERREPONT CODRINGTON FOSTER, M.D., *Instructor in Anatomy*

## OTHER INSTRUCTORS

GEORGE HENRY LANGZETTEL, B.F.A., *Clerk, and Assistant in Drawing*

FRANK CRAWFORD BOARDMAN, B.F.A., *Instructor in Modeling*

GEORGE ALBERT THOMPSON, B.F.A., *Assistant in Painting*

JOLINE BUTLER SMITH, B.F.A., *Assistant in Decorative Design*

WILLIAM HENRY GOODYEAR, M.A., *Lecturer in Trowbridge Course for 1902-1903*

JOHN IRELAND HOWE DOWNES, B.F.A., *Librarian*

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## ORGANIZATION AND COURSE OF STUDY

The School aims to provide thorough technical instruction in the Arts of Design, viz: Drawing, Painting, Sculpture, Architecture, and in Illustration, Decoration and Copperplate Etching; also it aims to afford a knowledge of such branches of learning as relate to the Philosophy, History, and Criticism of Art. As a professional School of Art the aim is to furnish a thorough course of study in the practice of the studios, and as a department of the

University to provide instruction in the Fine Arts as a constituent part of a scheme of general culture. These departments, of Practice and Criticism, may be regarded as distinct or correlative.

### THE TECHNICAL COURSE

The technical instruction, for professional students, is based upon methods well adapted to discipline the faculties and ground the pupil in the elements and fundamental principles, which constitute a grammar of Art, as a foundation for all forms of special application. This instruction is arranged as follows :

IN DRAWING, the work is distributed over a three years' course. During the first year the practice of the studio is confined to drawing from the "Antique," from plaster casts ; during the second year, to drawing from casts and the living model ; and during the third year, to drawing from the living model, nude and draped. The classes under the supervision of the Instructor in this department are the antique, portrait, nude-model, and sketching classes. Students showing the requisite proficiency in any class will be advanced to the work of the second or third year according to individual ability. Instruction in this department precedes all special courses in the various branches of Art ; no pupil is allowed to enter any of the advanced classes without this necessary qualification in that degree of proficiency which is deemed essential as a preliminary ground for such studies. Lectures on the principles of decoration, as applied in the various branches of Decorative Art, are included in this department.

IN ANATOMY, instruction is given in the form of lectures, and by drawings made from specimens and casts. The course comprises the study of such portions of the human body as manifestly affect the external forms, the aim being to familiarize the pupil with the characteristics of those parts, independently of their combined action in modifying the external forms. Drawings of these parts are made by the pupils, in connection with the subjects discussed by the lecturer. Advanced studies include the whole structure of the human form in its plastic anatomy and mechanism. The skeleton and muscular system are viewed as a whole, and the modification of the external forms studied in action and repose. The subjects of proportion, equipoise and motion, and expression, are studied, and original

drawings required in illustration, made from life, or from Greek sculptures, by reducing the same to their anatomical structure by the imagined removal of the integument.

IN PERSPECTIVE, the instruction is likewise given in the form of lectures, illustrated by examples drawn on the blackboard, explaining the principles under discussion. The lectures are supplemented by practical exercises. The student is required to work out examples in the interim between the lectures. Objects are treated with reference to their true dimensions, as preliminary to their correct representation on a flat surface, as seen in perspective, at various distances, and from different points of view, including the study of shadows and reflections, and the application of the general principles of perspective to interior and exterior views. The pupil is required to work out problems in illustration of all the principles involved in linear perspective in its application to the various branches of art.

IN PAINTING, the work is divided into an elementary and an advanced course of study. The first studies are devoted to the acquisition of a knowledge of the elements of technical practice, by painting from still-life. When the pupil has acquired some knowledge of the means in representing objects in color, as to their values and relations, the remainder of the course is given to studies of the living model, in portrait, figure, and composition. This is continued while the pupil remains in the School. The course in painting implies, on the part of the pupil, a requisite knowledge of drawing, and drawing from the living model is continued throughout the course in connection with the work in color. The practice of the studio is supplemented by illustrated lectures on Color, Chiaroscuro, Composition, and such other special topics relating to the principles and means of Art as are comprehended in its theory and practice.

IN MODELING, a course is provided, including the anatomical lectures, and drawing. The work in this branch of instruction consists in first modeling in clay, from casts of Greek fragments, the head and other extremities of the human form, and then the whole figure. When the student has sufficient command of the method and means, the rest of the course is devoted to modeling from the living subject.

IN ARCHITECTURE, the course includes drawing, as provided in that special department in its elementary instruction, as well as the course in isometric projection and perspective. Under the instructor in Architecture, studies are made from notable examples of the various orders and styles, in chronological order, with original projects in

illustration to be worked out by the student. The means and methods of preparing plans, elevations, sectional and working drawings, and perspective views in india-ink and water-color, are comprehended in the elementary part of this course. Arrangements may be made with other Departments of the University, by which students in Architecture can obtain the requisite instruction in mathematical subjects having a direct bearing on this art, including plane geometry, stone-cutting, the nature and strength of materials, and the principles of construction and engineering.

The course includes a general and comprehensive view of the historic development of the various architectures, with a comparative analysis of the same with respect to their principles of construction and decoration.

Courses are provided in Illustration and in Decorative Design, with technical instruction in the use of various mediums for magazine, book, and newspaper illustration, and modeling in clay or wax.

IN COPPERPLATE ETCHING, a course is provided, and a room set apart for this special study, containing all the necessary appliances of this art, including a press.

#### COURSE IN THE HISTORY AND CRITICISM OF ART

The instruction in this department includes courses of lectures by the various Instructors of the School, and other invited Lecturers, arranged to include professional students in regular course, and classes from other Departments of the University where it is recognized as an "elective" study.

A course of technical lectures in the Principles and Means of Art is provided, fully illustrated, embracing the subjects of Line, Chiaroscuro, Color, Composition, and Expression, discussing the technical methods of the Painter, the Sculptor, the Architect, and the Engraver, including an historic account of the technical development of these arts.

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The regular prescribed course of study, for professional students, covers a period of three years, but pupils are encouraged to remain in the School and pursue advanced studies after the expiration of the prescribed term. The



fees are thirty dollars per term of three months, with an annual fee of ten dollars for the use of the University Library and the appliances of the class-rooms. No pupil is received for less than one term. The tuition fee for a fourth year's attendance is one-half the usual rate; pupils remaining for a longer period are classed as "honorary students"; as such they are exempt from the payment of a tuition fee, but are charged an annual fee of fifteen dollars. The School is open to both sexes; no pupil is received under fifteen years of age. All applications for admission should be made through the Director. The School opens on the last Thursday in September, and the closing exercises are held on the first of June. At the end of the School-year an exhibition of the work of the various classes of pupils is held, continuing open through the summer months.

ELECTIVE COURSES are provided for the Junior and Senior classes in the Academical Department, as set forth on page 152. Also, a course in Architectural Drawing, and a special course in Free-hand Drawing arranged to meet the requirements of students in the Sheffield Scientific School.

EVENING CLASSES in ILLUSTRATION, MODELING and DECORATIVE DESIGN, are held from seven to ten o'clock during five evenings of the week.

Members of all Departments of the University may enter the Art School, and enjoy its privileges, as "Special Students," on the payment, in advance, of an annual fee of twenty-five dollars.

CERTIFICATES are awarded to pupils remaining in the School through the regular course of three years; and the Degree of BACHELOR OF FINE ARTS is conferred by the University upon those students who have fulfilled the requirements of a prescribed course of advanced studies in the several departments of instruction, and have submitted an approved original composition in painting, sculpture or architecture, and a satisfactory thesis on some topic

relating to the Fine Arts. Students from other Art Schools, who have passed through the requisite elementary course in Art, may enter this advanced course, ending in the conferring of the above degree, and passing the requisite examinations.

The WILLIAM WIRT WINCHESTER FELLOWSHIP, for study abroad, supported by the income derived from a fund of \$20,000, will be competed for every two years, provided a preliminary examination of the work of candidates shall warrant the holding of a competition at the regular time. Competing students must have been pupils of the Yale School of Fine Arts, or of some other Art School of equal standing, for at least two years before entering this competition, which will extend through one year's work in the several departments of instruction. From candidates for this competition, five will be selected to engage in a preliminary *concours*; and from these five, not more than three will be chosen for a final competition, for which a specified subject in composition will be required, in addition to the class-work for the year. The award will be made at the anniversary of the School, the jury being comprised of three well known artists chosen by the Faculty. The successful competitor may hold this Fellowship for two years' residence abroad, subject to certain specified requirements. The right is reserved to withhold the award should the work of the competing student fall below the required standard of merit.

The ALICE KIMBALL ENGLISH PRIZES, the income from a foundation of three thousand dollars, including silver and bronze medals, are awarded annually to students taking the regular courses of study in the School, under such conditions as the Faculty may prescribe.

The ETHEL CHILDE WALKER PRIZE, the income from a foundation of two hundred dollars, is also awarded annually, under certain restrictions.

The JOHN FERGUSON WEIR SCHOLARSHIP, founded by Mr. and Mrs. Carl Stoeckel, will hereafter be awarded to

pupils who have been in the School not less than two years.

The TROWBRIDGE LECTURE COURSE provides lectures on Art by various invited lecturers outside of the Faculty. This course of lectures is open to all members of the University.

The ART LIBRARY, containing a collection of technical hand books, current art-periodicals, and portfolios of etchings and engravings, is open, during specified hours, for the use of students. The pupils of the school are entitled to the use of the University Library, and to such other privileges, under the usual restrictions, as are granted to students in the other departments.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty-two paintings dating from the eleventh to the seventeenth centuries; the "Trumbull Gallery" of historical portraits and other works, numbering fifty-four pictures; the Alden collection of Belgian wood-carvings, of the sixteenth century, comprising about one hundred and twenty feet of wainscoting and three confessionals, from a chapel in Ghent; a collection of contemporaneous art, numbering about fifty paintings; a small collection of original sketches by old masters; a collection of about one hundred and fifty casts and marbles, representative of the various periods of Greek and Renaissance Art; a valuable collection of Chinese porcelains and bronzes, loaned by Professor Frederick Wells Williams; and a collection of Braun autotypes, and other reproductions, numbering about two hundred.

The Collections of the School are open daily, without charge, from 1 to 5 P. M., during term time; also, during the summer vacation from 9 A. M. to 6 P. M., when a fee of twenty-five cents is charged. This fee is also charged when special loan exhibitions are organized, in order to meet incidental expenses.

# DEPARTMENT OF MUSIC

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## FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HORATIO WILLIAM PARKER, M.A., MUS.D., *Professor of the Theory of Music*

SAMUEL SIMONS SANFORD, M.A., *Professor of Applied Music (absent)*

HARRY BENJAMIN JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music and Instructor in Organ-Playing*

ISIDOR TROOSTWYK, *Assistant Professor of Applied Music and Instructor in Violin-Playing*

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HENRY STANLEY KNIGHT, *Instructor in Piano-Forte Playing*

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The Department of Music aims to provide adequate instruction for those who intend to become musicians by profession, either as teachers or as composers, and to afford a course of study to such as intend to devote themselves to musical criticism and the literature of music.

In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

The work in the Department is divided into theoretical and practical courses of study. The Department is open to undergraduates and graduates, also to special students. Admission is granted without distinction of sex. The theoretical studies consist of the courses mentioned below from 1 to 6 inclusive. The practical courses consist of instruction in Piano-, Organ-, and Violin-playing. No student will be admitted to any practical course unless he shall already have been admitted to one or more of the theoretical courses.

The theoretical courses are subdivided into elementary and advanced. Courses 1, 2, and 3 are considered elementary. At the close of the academic year, students who

have completed course 2 may become candidates for a **CERTIFICATE OF PROFICIENCY IN THE THEORY OF MUSIC** by passing an examination in four-part harmony and counterpoint, in the history of music, and in the structure of song and sonata forms. An unprepared analysis of classical works will be required in addition. Academical students on the completion of the same course, and passing the same examination with distinction, will receive one-year honors in Music.

The advanced courses are numbered 4, 5, and 6. They are open only to students who are able to pass the examination required preliminary to the granting of the Certificate of Proficiency in Theory mentioned above. Members of these classes at the end of two years' work, or its equivalent, may become candidates for the degree of **BACHELOR OF MUSIC**. Candidates for this degree must give their names to the Professor of the Theory of Music at the beginning of the college year. The candidate will be required to pass an examination before a Board of Examiners, consisting of the Faculty of the Department of Music. Satisfactory evidence of proficiency in the theory of music and in any two of the following languages (one of which must be a modern language), Greek, Latin, French, German, Italian, shall be given to the Professor of the Theory of Music, prior to the examination; also, an original composition in one of the forms to be designated by him. The examination will be in advanced Counterpoint, Canon, Fugue, the higher forms of Musical Composition, and impromptu Orchestration. Academical undergraduates, on passing this examination with distinction, will receive two-year honors in Music.

The fees for instruction are from fifty to two hundred dollars per year. The fee for the theoretical courses only is fifty dollars per year. These fees may be remitted in whole or in part when the student needs the relief and shows natural talent in such degree as to warrant it, in the opinion of the Faculty. A special fee will be charged

for instruction in Violin-playing. The fee for a Certificate of Proficiency in the Theory of Music is five dollars. The fee for a degree is ten dollars.

1 *Harmony.* Tuesday and Thursday, 4 P. M.

The study of chords, their construction, relations and progressions. This course covers the following subjects:

Intervals, triads, seventh chords, modulations, chromatically altered chords, suspension, organ point, passing and changing notes.

Figured bass is used only as a means of designating chords. Attention is turned at once to the harmonizing of melodies.

The original principles from which rules are derived are discussed and students are encouraged to exercise and cultivate their own judgment in the application of these principles.

Particular attention is given to the natural melodic and harmonic tendencies of tones and intervals. The subject of modulation is treated with special care and at length. Exercises are corrected in the class-room with explanations and illustrations.

G. W. Chadwick's *Harmony* is used as a text-book.

2 *Counterpoint.* Tuesday and Thursday, 3 P. M.

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*.

Examples of the different orders of Counterpoint in two, three, and four voices are required; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition.

No text-book is used.

3 *The History of Music.* Wednesday, 5 P. M.

Lectures on the development of music from its earliest stages. History of Church Music from the time of Gregory; History of Opera and Oratorio; Biographical sketches of famous composers, with description and analysis of their principal works; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical forms are given in the class-room.

*The Evolution of the Art of Music* by Sir C. Hubert H. Parry is used as a text-book.

4 *Strict Composition.* Tuesday and Thursday, 2 P. M.

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material.

This course is preparatory to course 6.

No text-book is used.

5 *Instrumentation.* Wednesday and Friday, 3 P. M.

This course is open only to students who have done the work of courses 1 and 2, and it is strongly recommended that course 4 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

Prout's *Instrumentation* and Berlioz's *Orchestration* are used as text-books.

6 *Free Composition.* Wednesday and Friday, 2 P. M.

This course is open only to students who have done the work of courses 1, 2, 4, and 5, and have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form.

No text-book is used.

## PRACTICAL MUSIC

The courses in practical music consist of instruction in playing the Pianoforte, the Organ, and the Violin.

No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.

I. PIANOFORTE—No student is admitted to a course in playing the pianoforte who has not already attained some proficiency in the use of the instrument and in sight-reading.

Each student is required to master the elements of a good touch and technique before undertaking the study of extended musical works.

Each student receives individual instruction, under the supervision of the Professor of Applied Music. Professor Sanford, in person, will instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert playing.

II. ORGAN—No student is admitted to the courses in playing the organ until he has acquired a satisfactory knowledge of pianoforte technique.

The work includes careful study of organ technique, and of works by representative classic and modern composers in Sonata form and in Polyphonic and Free styles, graded according to the needs of the individual student. Especial attention is given to the mechanical attributes of the instrument,—the pitch, quality, and possible combinations of the various registers, also to transposition and to playing from vocal-score.

III. VIOLIN—Students in violin-playing are received in all stages of proficiency. Beginners are limited to members of undergraduate classes in the University.

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DIPLOMAS are awarded to those students of practical music who, having successfully completed a three-years' course of instrumental study, are qualified to act as teachers or to appear as soloists.



The fees for instruction in instrumental music are as follows :

For Piano (for University students, graduate or undergraduate),	.	.	\$ 50.00 for the college year.
For Piano (for other persons),	.	100.00	" " "
For Organ,	.	50.00	" " "
For Violin (class of two),	.	100.00	" " "
For Violin (for individual lessons),	.	150.00	" " "

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These fees are exclusive of the fee for instruction in the theoretical courses, which is \$50 for the college year.

The STEINERT SCHOLARSHIPS—By the liberality of Mr. Morris Steinert of New Haven three scholarships of \$150 each have been offered for a second term of three successive years beginning in 1900.

The students who receive these scholarships are selected according to their promise and need by the Faculty of the Department, with the assistance of the donor, at the beginning of the Fall term. The amounts are intended to defray the charges for one student each in the branches of Piano, Organ, and Violin-playing, but the money may be differently divided at the discretion of the committee of award.

The LOCKWOOD SCHOLARSHIPS, founded by the bequest of five thousand dollars from Miss Julia A. Lockwood, of Norwalk, Connecticut, in 1897, are offered to two students annually in the Department, who shall pass the best examinations in the theory and practice of instrumental music upon the organ and pianoforte.

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The NEW HAVEN SYMPHONY ORCHESTRA, under the direction of the Professor of the Theory of Music, gives a series of concerts during the winter, to which students in any Department of the University are admitted for a small fee. This organization is a complete and well-equipped orchestra of about fifty players, and is a valuable adjunct to the Department of Music.

Students of orchestration are afforded an opportunity to hear their work actually performed, and any composition which is original and of sufficient merit may be performed publicly.

The same orchestra affords an opportunity to acquire orchestral routine to those students of the violin who are able to pass the examination for admission to the orchestra.

The most advanced students of piano-playing as well as violin-playing are allowed to rehearse with the orchestra, and to perform publicly, if fitted to do so in the judgment of the Faculty of the Department.

# DEPARTMENT OF FORESTRY

## (YALE FOREST SCHOOL)

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### GOVERNING BOARD

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HENRY SOLON GRAVES, M.A., *Director, and Pinchot Professor of Forestry*

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WILLIAM HENRY BREWER, PH.D., *Professor of Agriculture*

GIFFORD PINCHOT, M.A., *Special Lecturer in Forest Policy*

### ADDITIONAL INSTRUCTORS

JAMES WILLIAM TOUMEY, M.S., *Assistant Professor of Forestry*

ALFRED AKERMAN, M.F., *Instructor in Forestry*

ROY LEON MARSTON, M.F., *Instructor in Forestry*

SAMUEL LEWIS PENFIELD, M.A., *Professor of Mineralogy*

LOUIS VALENTINE PIRSSON, M.A., *Professor of Physical Geology*

ALEXANDER WILLIAM EVANS, M.D., PH.D., *Assistant Professor of Botany*

SAMUEL EBEN BARNEY, C.E., *Assistant Professor of Civil Engineering*

EDWARD AUGUSTUS BOWERS, B.A., LL.B., *Lecturer in Forest Law*

WILLIAM EVERETT BRITTON, B.S., *Lecturer in Forest Zoology and Entomology*

HERMANN VON SCHRENK, PH.D., *Lecturer in Diseases of Trees*

ARTHUR HARMOUNT GRAVES, B.A., *Laboratory Assistant in Botany*

HAROLD SCOFIELD BETTS, M.E., *Engineer assisting in the Wood Testing Laboratory*

### SPECIAL LECTURERS

FREDERICK HAYNES NEWELL, B.S., *Special Lecturer in Forest Hydrography*

ANDREW DELMAR HOPKINS, PH.D., *Special Lecturer in Forest Entomology*

THOMAS E. RIPLEY, B.A., *Special Lecturer in Lumbering*

GEORGE P. SAWYER, B.A., *Special Lecturer in Lumbering*

## ENDOWMENT

The Yale Forest School was founded in the spring of 1900 by the gift of \$150,000 from Mr. and Mrs. James W. Pinchot and their sons, Gifford Pinchot and Amos R. E. Pinchot. The gift provides for the establishment of a department in the University to be known as the Yale Forest School, for instruction and research in Forestry. The gift also provides for a Summer School of Forestry at Milford, Pike County, Pennsylvania, on the estate of Mr. James W. Pinchot, who has placed a building and his woodland at the disposal of the Forest School for twenty-one years.

## EQUIPMENT

Marsh Hall, the house of the late Professor Othniel C. Marsh, 360 Prospect St., is used as the School building. It is equipped with lecture rooms, a library, botanical and wood-testing laboratories, an herbarium and a forest museum.

The library contains about twenty-five hundred books and pamphlets and is being enlarged as rapidly as the funds of the School permit.

The herbarium consists of more than three thousand specimens of native and foreign trees and shrubs.

The forest museum contains collections of wood specimens representing all the species of trees in the United States and Canada, besides many specimens of South and Central American, West Indian and Philippine woods. A large collection of saws, axes and logging tools is a feature of the museum.

The botanical laboratory is thoroughly equipped with simple and compound microscopes and with other apparatus necessary for research work in Botany.

The wood-testing laboratory contains testing machinery and other apparatus required in the study of the physical and mechanical properties of wood.

The Yale Botanical Garden, covering ten acres, in which Marsh Hall is located and which contains a large

variety of trees and shrubs as well as ample greenhouses, is used by the students of the School in botanical work and for experiments in tree-planting.

Through coöperation with the Sheffield Scientific School and the Peabody Museum, the use of their extensive scientific collections are extended to the Forest School.

The field work during the first year and the first half of the second year is conducted in the forests near New Haven. The most important tract devoted to this purpose is Maltby park, an area of about four hundred acres, the use of which has been granted to the School by the New Haven Water Company.

The courses have been so arranged that the entire spring term of the second year is spent in the field. The spring of 1902 was spent on the tract of Mr. Edward H. Harriman in Orange County, N. Y., where a complete working plan was made for the forest. It is expected that a large private tract will be chosen for the work of 1903.

#### DEGREE

Graduates of the Forest School, who have previously received Bachelors' degrees from collegiate institutions of high standing, or have had a training which in the judgment of the Corporation is equivalent to that obtained in such institutions, will be granted the degree of Master of Forestry.

Those who enter by examination are granted all the privileges of the School. Upon completing the course they are given a certificate of work, but not the degree of Master of Forestry.

#### SPECIAL STUDENTS

Under exceptional circumstances students who are not candidates for a degree, but who can show their fitness to pursue the courses given in the Forest School, are admitted without examination. It is, however, the policy of the

Governing Board to encourage students to take the full course at the Forest School, rather than a special or partial course. Those students who wish to take a short course in Forestry, and are unable to pass the entrance examinations to the Yale Forest School, are advised to avail themselves of the privileges offered by the Summer School at Milford, Pennsylvania, which is intended to meet their special requirements.

#### TERMS AND VACATIONS

There are two terms in each year. The fall term of 1903 begins on Thursday, September 24th, and continues twelve weeks. The second term begins on the Tuesday after the first Thursday in January and continues until Commencement, with a spring recess of eight days, including Easter.

#### FEEES AND EXPENSES

The annual charge for tuition is \$100. A special fee of five dollars is charged to those who use the gymnasium and one of two dollars for the use of the College reading-rooms. Laboratory fees of five dollars each will be charged for the courses in Mineralogy and Morphology of Plants, a fee of three dollars for the course in Forest Botany, and of ten dollars in Forest Technology.

Frequent excursions will be taken to points of interest near New Haven, but they will not involve an annual expense of more than \$15. In the spring of the second year, the work will be transferred from New Haven to the field. The traveling expenses then incurred will be about \$50, exclusive of subsistence, which will probably not exceed \$5 per week.

The fee for graduation is \$5.

Board and lodgings can be obtained in New Haven at prices ranging from \$5 per week upwards.

## TERMS OF ADMISSION

Applicants for admission to the Forest School must be not less than twenty years of age, and must produce certificates of good moral character.

Graduates of colleges or scientific schools of high standing who show the requisite knowledge of Botany, Geology, and Inorganic Chemistry, are admitted without examination.

Candidates who are not graduates from collegiate institutions of high standing will be required to pass entrance examinations in the subjects outlined below.

**1** *Mathematics.*

*Calculus.*—Elements of Differential and Integral Calculus, as much, for example, as is contained in Osborne's *Calculus*.

*Analytical Geometry.*—As much, for example, as is contained in Wentworth's *Analytical Geometry*.

**2** *Botany.*

A knowledge will be required of the principles of classification and of the structure of flowering plants. Candidates must be able to give the main characters of important groups of plants and to identify, by analysis, common flowering species.

**3** *Geology.*

A knowledge is necessary of physiographical, lithological, dynamical, and historical Geology, as far as it is treated in general text-books of Geology. Candidates must be familiar with the influence of the atmosphere and water on earth sculpture; with the subjects of oceans, continents, lakes, springs, rivers, valleys, mountains, glaciers, volcanoes, earthquakes, etc.; with the structure and classification of the more important rocks; with stratification, joints, shearing, cleavage, faults, mineral veins, dykes, etc.; and with the different geological periods.

**4** *Chemistry.*

There will be required (a) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include the ability to sketch the apparatus

used in the laboratory experiments, and to describe the phenomena observed. (b) Ability to write equations of simple reactions and to make calculation of the quantities involved in them, atomic weights being supplied. (c) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

5 *Physics.*

The examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism, and electricity, and his knowledge of the simpler laws governing these phenomena.

6 *German or French.*

Candidates will be required to translate at sight prose selections from German or French authors, and to have such knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation and inflection of verbs, and with the syntax of cases. An ability to translate sentences from English into German or French will also be requisite. The candidate is at liberty to decide for himself in which of the two languages he will be examined.

7 *English.*

Each candidate will be required to write an essay of not less than 800 words on some subject which he himself may select.

8 *Political Economy.*

As much, for example, as is included in Hadley's *Economics* and Jevons' *Money and the Mechanism of Exchange*.

## EXAMINATIONS

Examinations for admission to the Forest School will be held in New Haven at Marsh Hall, 360 Prospect St., on Thursday, Friday and Saturday, June 25, 26 and 27, and on Monday, Tuesday and Wednesday, September 21, 22 and 23, 1903. Attendance is required at 9 A. M. on the opening day of the examinations.

On June 25, 26 and 27, 1903, examinations will be held at those places in the list given on page 70, from which applications are received.



Candidates who propose to take the examinations elsewhere than in New Haven are requested to send their names to Prof. Henry S. Graves, Director of the Yale Forest School, New Haven, Conn., before June 1, 1903. A fee of five dollars, payable at the place of examination, will be charged for admission to the examination outside of New Haven.

### CURRICULUM

The regular course covers a period of two years. The subjects have been so arranged that nearly all the preliminary work is completed in the first year. Enough technical Forestry is, however, taught during the first year to enable the students to establish forest plantations, to make improvement thinnings and other classes of cuttings, to make estimates of standing timbers, and to carry on original research in the growth and production of trees and forests and in other lines of silvicultural work. The second year is devoted to advanced technical work in the class-room and in the field.

### COURSES OF INSTRUCTION

#### FIRST YEAR

**FIRST TERM :—***Introduction to Forestry*—Lectures, 2 hours. *Silviculture*—Lectures, 3 hours. Field Work. *Forest Mensuration*—Lectures, 2 hours. Field Work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 4 hours. Excursions. *Mineralogy*—Laboratory work, 2 to 4 hours.

**FIRST HALF SECOND TERM :—***Silviculture*—Lectures, 3 hours. *Forest Mensuration*—Lectures, 2 hours. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 4 hours. Excursions. *Elementary Petrology*—Lectures, 1 hour. *Meteorology and Forest Physiography*—Lectures, 4 hours. *State and National Forestry*—Six to ten special lectures. *Forest Hydrography*—Four to six special lectures.

**SECOND HALF SECOND TERM :—***Silviculture*—Lectures, 3 hours. Field work. *General Morphology of Plants*—Laboratory work and informal

lectures, 4 hours. *Forest Botany*—Lectures and laboratory work, 4 hours. Excursions. *Origin and Nature of Soils*—Lectures, 1 hour. *Forest Zoology*—Lectures, 1 hour. *Surveying and Field Engineering*—Field and class-room work, 8 hours.

#### SECOND YEAR

FIRST TERM:—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 4 hours. *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 2 hours. *History of Forestry*—Lectures, 1 hour.

FIRST HALF SECOND TERM:—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 4 hours. *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 2 hours. *Forest Entomology*—Lectures, 2 hours. *History of Forestry*—Lectures, 1 hour. *Forest Administration and Law*—Lectures, 1 hour. *Forest Roads and Trails*—Lectures, 1 hour. *Diseases of Trees*—Lectures, 2 hours. *Fish and Game*—Six to eight special lectures.

SECOND HALF SECOND TERM:—Field work in a selected forest away from New Haven.

## DESCRIPTION OF THE COURSES

### BOTANY

- 1 *General Morphology of Plants.* 1st year, 4 hrs.

Dr. EVANS:—

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life studied and compared.

- 2 *Forest Botany.* 1st year, 4 hrs., field work additional.

Professor TOUMEY and Assistants:—

The instruction in Forest Botany includes informal lectures, laboratory and field work. It is expected that the student taking this course has a general knowledge of the science of Botany, hence the work in Forest Botany may be termed Special Botany, dealing particularly with indigenous trees and shrubs, and herbaceous plants which grow in forests. The course embraces Morphology of Plant Organs, with special attention given to them in their winter condition; Anatomy and Histology, with special attention given to the origin and development of

the tissues of woody plants ; Physiology, including Ecology and Physiology proper, with particular attention given to environmental factors influencing the growth of woody plants and forest herbs ; and Taxonomy, with special attention given to identification and classification of the trees and shrubs, and the forest herbs indigenous about New Haven, The work in Ecology and Taxonomy is largely based upon field work, weekly excursions being given throughout the year, except in midwinter.

3 *Diseases of Trees.* 2d year, 2 hrs. 1st half of 2d term.

Dr. VONSCHRENK :—

Wounds and other injuries induced by human agency and by animals ; the production of healing tissues. Diseases induced by soil irritation ; by climate ; and by atmospheric influences. Diseases caused by vegetable parasites.

#### GEOLOGY

4 *Mineralogy.* 1st year, 4 hrs. 1st term.

Professor PENFIELD :—

The instruction in Mineralogy is carried on by means of practical work in a laboratory specially equipped for the purpose, and is intended to familiarize the student with the common minerals, attention being devoted especially to those which are of economic, geological, or scientific importance. To understand better the chemistry of the subject, the student is first made familiar with the simple chemical and blowpipe reactions useful in testing minerals, and applies this knowledge later to the determination of unknown species. The students have access to a labeled collection, where they can study the properties of the minerals and make comparisons, and also to extensive unlabeled collections, arranged especially to give them practice and facility in the correct identification of minerals.

5 *Elementary Petrology.* 1st year, 1 hr. 1st half 2d term.

Professor PIRSSON :—

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with special reference to their geologic relations and economic properties. Illustrated by a collection.

- 6 *Origin and Nature of Soils.* 1st year, 1 hr. 2d half of 2d term.

Professor PIRSSON :—

The origin and nature of soils with special reference to forests. This course is designed to supplement the previous course and to complete the student's necessary knowledge of rocks and soils.

- 7 *Meteorology and Forest Physiography.*

1st year, 4 hrs. 1st half of 2d term.

Professor BREWER :—

General conditions necessary to forests ; elementary meteorology ; forests as related to temperature and its range ; to rainfall and its range ; to excesses of weather and climate ; to the mechanical and chemical nature of soil and ground-water ; to the geological character of the surface ; to the relief-forms of the land ; to other geographical features ; the geographical distribution of forests : the aspects of forests as related to climate and topography ; the geological history of forests ; and forests in relation to public health.

- 8 *Forest Hydrography.*

1st year, four to six lectures, 2d term.

Mr. NEWELL, U. S. Geological Survey :—

Flow of streams ; diurnal and seasonal variations ; non-periodic fluctuations ; regimen of various rivers ; effects of forest and cultural conditions on available flow ; underground water.

## ZOOLOGY

- 9 *Forest Zoology.* 1st year, 1 hr. 2d half of 2d term.

Mr. BRITTON, State Entomologist of Connecticut :—

A general course of lectures on Systematic Zoology, dealing especially with such phases of the subject as are most important to the forester.

- 10 *Forest Entomology.* 2d year, 2 hrs. 1st half of 2d term.

Mr. BRITTON :—

This course will consist of lectures on economic insects with special reference to those which injure forest trees. The chief types will be studied by means of specimens and lantern slides, and the most approved methods of combating the attacks of insects will be considered. Other topics such as parasitism, special adaptations, relationship of insects, etc., will be briefly treated as incidental to the subject.

- 11 *Forest Entomology.* 2d year, 4 to 6 lectures, 2d term.

Dr. HOPKINS, U. S. Department of Agriculture :—

A course of special lectures dealing chiefly with field investigations in the injury to trees and forests by insects.

### ENGINEERING

- 12 *Surveying and Field Engineering.* 1st year, 4 to 8 hrs. 2d half of 2d term.

Under the direction of Professor DuBois :—

A special course will be given, occupying two afternoons in the week, which will give the student the training in Surveying and Field Engineering necessary to a forester. Land and topographical surveys will be made, plotted, checked, traced, and blue-printed. Levels will be run and profiles drawn. Special problems likely to occur in practice will be taken up in the field and in the class-room.

- 13 *Forest Roads and Trails.* 2d year, 1 hr. 1st half 2d term.

Professor BARNEY :—

A course of lectures covering the principles of road construction as far as such knowledge is necessary to a forester.

### TECHNICAL FORESTRY

- 14 *Introduction to Forestry.* 2 hrs.

(Designed for undergraduates. Optional for Forest School students.)

Mr. AKERMAN :—

This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. It considers the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States. It is recommended to undergraduates who desire a knowledge of the nature of Forestry with the view of possibly entering the profession.

15 *Silviculture.* 1st year, 3 hrs, field work additional.

Professor GRAVES and Mr. AKERMAN :—

Characteristics of forests ; the forests of the world ; forest regions of the United States ; special consideration of trees important in Forestry ; methods of research work in Silviculture ; methods of reproducing forests naturally ; thinnings and other kinds of improvement cuttings.

Forest planting will be taught in the spring term by Professor Toumey. Attention will also be given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

The field work in the fall term is devoted to practice in making forest descriptions and to field studies of the habits and characteristics of local species near New Haven. During the winter term the students are given practice in making reproduction cuttings and all kinds of improvement thinnings. The field work in Silviculture during the spring term is devoted to nursery practice and forest planting.

16 *Forest Mensuration.* 1st year, 2 hrs. 1st term, and 1st half of 2d term, field work additional.

Professor GRAVES and Mr. MARSTON :—

Methods of determining the contents of felled and standing trees and of whole stands ; methods of estimating timber ; use of American log scales ; determination of diameter, height, and volume increment.

Four hours a week during the course are spent in practical work in the woods. The students are given practice in the use of cruisers' methods of estimating standing timber, and in the use of the different American log scales. The practical work includes also an accurate determination of the contents of stands

for scientific purposes, the collection of data for the construction of tables of contents of standing trees, and for the study of the growth of individual trees and of the future production of whole stands. Practice is also given in the determination of land areas and the construction of maps without the aid of instruments.

- 17 *State and National Forestry.* 1st year, 4 to 6 lectures,  
2d term.

Mr. PINCHOT, Forester of the U. S. Department of Agriculture :—

Interest of the States and the United States in Forestry ; province of State and Federal action in forest matters ; forest reserves ; State forest officers and organizations ; Governmental Forestry abroad. Forests and Forestry in the Philippine Islands.

- 18 *Forest Management.* 2d year, 4 hrs. 1st term, and 1st half  
of 2d term, field work additional.

Professor GRAVES :—

Forest measurements applied to the preparation of working plans ; forest valuation ; forest finance ; underlying principles and methods of preparing and carrying out forest working plans.

- 19 *Forest Technology.* 2d year, 4 hrs. 1st term, and  
1st half of 2d term.

Professor TOUMEY :—

The structure of wood and the classification of economic woods of the United States in accordance with structural features ; the physical, chemical, and mechanical properties of wood ; the use of wood in the arts and the combination of properties which determine the value of woods for different purposes.

- 20 *Lumbering.* 2d year, 2 hrs. 1st term, and 1st  
half of 2d term.

Mr. MARSTON :—

A consideration from an economic standpoint of the industry in the nation, in the forest regions, and in the individual states ; methods of lumbering with the laws of business applying ; transportation of logs by water and by railroad ; forest road, bridge, and dam construction ; mills and the manufacture of lumber pulp manufacture ; secondary products.

The class is required to spend three weeks at the end of the winter term in logging camps under the direction of Mr. Marston.

To supplement this course, special lectures are given in the second term by a number of men engaged in the lumber business in different forest regions of the United States.

- 21 *Forest Protection.* 2d year, 2 hrs. 1st term, and  
1st half of 2d term.

Mr. MARSTON :—

A consideration of boundaries, titles, deeds, trespass, fire, wind, torrents, drifting sand, insects, fungi, cattle and sheep grazing, etc.; and of legal and practical measures to protect the forest against injury from them, including a consideration of the forest laws of the several states, of the United States, of European countries, and of the Canadian provinces.

- 22 *History of Forestry.* 2d year, 1 hr. 1st term, and  
1st half of 2d term.

Mr. AKERMAN :—

Rise of Forestry abroad and in the United States. Present practice of Forestry in foreign countries.

- 23 *Forest Administration and Law.* 2d year, 1 hr. 1st half  
of 2d term.

Mr. BOWERS :—

The development of the public domain with reference to the creation of a forest policy by the United States and a consideration of laws relating thereto, including rules and regulations governing public lands, forest reserves and national parks.

Special consideration of the laws and decisions of the Federal and State Courts with reference to timber trespass, river driving, riparian rights, damages resulting from forest fires, etc.

### FIELD WORK

Excursions and field work form an important part of the instruction in Forestry. Through the courtesy of the New Haven Water Company, Maltby Park, an area of about four hundred acres, has been placed at the disposal of the Forest School. On this tract the students are given instruction and practice in making estimates of timber, in



collecting data for the study of the growth and production of native trees, making forest descriptions, marking trees for reproduction and improvement thinnings, preparing forest working plans, tree planting, etc. A number of other tracts near New Haven which are being managed under systematic forestry, are available for inspection and study. Regular excursions are taken in connection with Forest Botany to train the students in the identification of local species. Frequent excursions are also made by railroad to forest plantations and estates situated near New Haven which are of interest to students of Forestry.

After the Thanksgiving recess, the Seniors are sent into the lumber woods, where they are required to spend three weeks, under the direction of Mr. Marston, studying the methods of lumbering and the management of logging operations. The lumber camps of Maine, New Hampshire, the Adirondacks, Michigan, Pennsylvania, North and South Carolina, Florida and Texas have been visited and studied in this way. The students on their return are required to prepare a full report of the conduct of lumbering in the region to which they were assigned.

In the spring term of the second year the entire work is transferred to the field. During the spring of 1902 the Senior class assisted in organizing the forest work on the tract of 12,000 acres owned by Mr. Edward H. Harriman, at Arden, Orange Co., N. Y. In connection with the preparation of a forest working plan, the students made a detailed forest map of the tract, a study of the contents of standing trees, of the growth of individual trees, and of yield in cords per acre. About fifty acres were cut under the direction of the students. Similar work will be done on some other private tract in 1903.

# SUMMER SCHOOL OF FORESTRY

UNDER THE DIRECTION OF  
THE FACULTY OF THE YALE FOREST SCHOOL

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## SITUATION OF THE SCHOOL

The Summer School of Forestry is located at Grey Towers, the estate of Mr. James W. Pinchot, near the village of Milford, Pike Co., Pa. The place combines the advantages of excellent opportunities for practical forest study and field work and of a pleasant and healthful summer resort. Milford lies on the west bank of the Delaware River, eight miles below Port Jervis, N. Y., whence it is reached by stage running regularly twice a day. Port Jervis is on the direct line of the Erie Railroad. The village has ample accommodations for visitors in a number of comfortable hotels and boarding houses.

The School building stands on a hill overlooking Milford, at an elevation of some 800 feet above sea-level. Less than a quarter of a mile from the School is the picturesque glen of the Sawkill, with the well known Sawkill Falls. Back of the School stretches away a rough, well-wooded country which makes up the wilder part of Pike County, while in front opens a wide prospect over the Delaware Valley, bounded by the distant Shawangunk hills.

## PURPOSE OF THE SCHOOL

The purpose of the Summer School of Forestry is to provide instruction in Forestry for those who do not wish to take, or who are not ready for, the more advanced technical courses at regular Forest Schools. The course is designed for :

I. Owners of woodland. Farmers, lumbermen, and others who wish to obtain a knowledge of the principles of Forestry and a practical acquaintance with the care of woodlands, and with tree planting, will receive instruction to meet their special requirements.

II. Forest Rangers. The course is particularly adapted to persons who wish to fit themselves for work as forest rangers.

III. Teachers. Instruction in Forestry is now given in a considerable number of Agricultural Colleges, Industrial Schools, and other institutions, both in connection with the study of Horticulture and as separate courses, and it would doubtless form part of the instruction in Botany and Nature Study in public and private schools, if the teachers were properly qualified. The attention of teachers is especially called to the courses offered at the Yale Summer School of Forestry.

IV. All persons who desire to acquire a general knowledge of Forestry, or any of its branches.

V. Students of Forestry who are deficient in certain subjects.

There will be an excellent opportunity for advanced students to carry on special forest work.

### EQUIPMENT

Through the generosity of Mr. James W. Pinchot the School is thoroughly equipped for the purposes of instruction. The school building contains a large hall capable of seating about 75 persons, which is used for general lectures, and three smaller rooms, two of which are used as laboratories, and the other as a library and reading room. For practical instruction in the field Mr. Pinchot has given the use of a tract of about sixty acres of woodland, and also considerable open ground for tree planting. The forests in the immediate neighborhood offer excellent opportunities for practical study in Silviculture and Forest Botany. One of the Pennsylvania

State Forest Reservations is but a short distance from Milford, and will be available for study.

For the accommodation of those who desire to live in camp, tents are furnished by the School, and arrangements are made for board at a reasonable rate. The camp is situated on high, dry ground above the Sawkill in the edge of the woods, a location which is exceedingly healthful.

#### ADMISSION

Candidates for admission to the Summer School of Forestry must be 17 years or more of age. There are no entrance examinations. Evidence of good moral character will be required. The school is open to women.

Since the accommodations are necessarily limited, candidates are advised to make application before May 1, 1903, to Professor Henry S. Graves, Director of the Yale Forest School, New Haven, Conn.

#### LENGTH OF THE TERM

The School will open July 1, 1903, and continue seven weeks. Students are required to register at the School building not later than 12 M. on Wednesday, July 1.

#### FEES AND EXPENSES

The fee for a single session at the School is \$25.00. An extra fee of \$15.00 will be charged for the use of a School tent. It is expected that the cost of board at the camp will not be over \$5.00 per week. Board and lodgings may be had in the village from \$5.00 per week upwards.

Information regarding hotels and boarding houses may be obtained by application to Professor Graves.

The railroad fare from New York to Port Jervis is \$2.50. A round trip ticket costs \$3.60. The stage fare from Port Jervis to Milford is 50 cents.

## COURSES OF INSTRUCTION

Five regular courses in Forestry are offered. Students may take any or all of the courses. The studies of those who may wish to carry on special forest work receive personal direction.

### FOREST BOTANY

Particular attention is given to Forest Botany. This course embraces laboratory work, field work and lectures. The feature of the course is the field excursions to familiarize the students with the trees near the School, and their habits of growth. The effect of plant parasites upon tree growth, and the part taken by herbage and shrubs in the forest, are also studied in the field.

The laboratory work includes the study of the forest plants of the vicinity.

The lectures cover a systematic account of the trees of the United States, with particular reference to those of importance in Forestry.

### SILVICULTURE

The object of this course is to give, as thoroughly as the length of the session will permit, a training in the principles and the practical methods of establishing and treating woodlands. It will consider the characteristics of trees and forests in general, and includes in particular a discussion of the forests of the United States and of the life and habits of the trees important in Forestry. By lectures and field practice the students are trained in the methods of making thinnings for the improvement of the character and composition of the forest, and for the reproduction of the desirable species. Methods of establishing woods by seed and transplanting form an important part of the course.

### FOREST MENSURATION

This course takes up in a practical way the methods used in determining the contents of felled and standing trees and of whole forests, the methods of making rough or accurate estimates of standing timber, the use of American log scales, and the methods of determining the age and growth of individual trees and of whole stands.

### INTRODUCTION TO FORESTRY

The purpose of this course is to explain what Forestry is, and its true scope and function in the United States. The course is presented entirely by lectures, which discuss the Forest, the relation of Forestry to kindred subjects, the auxiliary sciences in their relation to Forestry, and the different branches of technical Forestry in their relation to each other.

Special attention is given to the importance of Forestry in its relation to the public welfare, the forest products of the United States, the consumption and supply of wood and timber, and the effect of forest growth on soil, on climate, and on streams. The course closes with a discussion of National and State forest reservations, the Government in its relation to Forestry, the practice of Forestry in the United States, and Forestry as a profession.

### FOREST PROTECTION

This course considers forest fires, trespass, damage to forests from wind, insects, grazing, torrents, and drifting sand, and the best means of protection. It is especially recommended to forest rangers.

### FIELD WORK

Practical work in the woods forms an important part of the instruction. In connection with the course in Forest Botany frequent excursions are made to train the students in identifying native and imported trees and

shrubs. A large part of the work in Silviculture is devoted to practice in selecting trees for thinnings, in locating reproduction and improvement cuttings and in the study of forest planting. During the course in Forest Mensuration the students are given abundant practice in studying the growth of trees and whole stands, making estimates of standing timber, etc. In the course in Forest Protection the damage done by fire and other enemies of the forest is illustrated by excursions.

# DEPARTMENT OF THEOLOGY

(YALE DIVINITY SCHOOL)

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## FACULTY AND INSTRUCTORS

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

REV. FRANK KNIGHT SANDERS, PH.D., D.D., *Dean of the Faculty,  
and Professor of Biblical History and Archaeology*

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REV. GEORGE EDWARD DAY, D.D., *Holmes Professor of the Hebrew  
Language and Literature, Emeritus*

REV. GEORGE PARK FISHER, D.D., LL.D., *Titus Street Professor of  
Ecclesiastical History, Emeritus*

REV. LEWIS ORSMOND BRASTOW, D.D., *Professor of Practical Theology*

REV. EDWARD LEWIS CURTIS, PH.D., D.D., *Holmes Professor of the  
Hebrew Language and Literature*

REV. GEORGE BARKER STEVENS, PH.D., D.D., LL.D., *Dwight Professor  
of Systematic Theology*

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., *Winkley Professor  
of Biblical Theology*

REV. BENJAMIN WISNER BACON, LITT.D., D.D., *Buckingham Pro-  
fessor of New Testament Criticism and Interpretation*

WILLISTON WALKER, PH.D., D.D., *Titus Street Professor of Ecclesi-  
astical History*

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CHARLES CUTLER TORREY, PH.D. (*Professor of the Semitic Languages  
in Yale University*), *Instructor in Semitic Languages*

CHARLES FOSTER KENT, PH.D. (*Woolsey Professor of Biblical Liter-  
ature in Yale University*), *Instructor in Biblical Literature*

REV. WALTER MELVILLE PATTON, PH.D., *Instructor in Semitic Lan-  
guages*

WILLIAM BACON BAILEY, PH.D., *Instructor in Sociology*

GRENVILLE PERCY KLEISER, *Instructor in Elocution*

FREDERICK LENT, M.A., *Instructor in Hebrew and Biblical Literature*



## SPECIAL LECTURERS

REV. GEORGE ANGIER GORDON, D.D., of Boston, Mass., *Lyman Beecher Lecturer*. Subject: *Ultimate Conceptions of Faith*

REV. WILLIAM V. KELLEY, D.D., L.H.D., of New York, Editor of the *Methodist Quarterly Review*. Subject: *Matthew Arnold's Apostolate of Sweetness*

WALTER LOWRIE HERVEY, PH.D., of New York. Subject: *Educational Principles Applied to Religious Teaching*

REV. GEORGE WILLIAM KNOX, D.D., of the Union Theological Seminary, New York, *Nathaniel William Taylor Lecturer*. Subject: *The Direct and Fundamental Proofs of the Christian Religion*

REV. WILTON MERLE SMITH, D.D., of New York. Subject: *The Cultivation of the Missionary Spirit in Pastor and People*

ROBERT E. SPEER, M.A., of New York. Subject: *The Personal Factor in Missions*

JOHN R. MOTT, M.A., of New York. Subject to be announced

REV. JOHN SHERIDAN ZELIE, of Schenectady, N. Y., *Alumni Lecturer*. Subject: *Amiel and the Literature of the Inner Life*

## OTHER OFFICERS

ALICE MAUD MERRIMAN, *Private Secretary to the Dean*

ERNEST FRANKLIN HILL, *Superintendent of the Divinity Buildings*

## RELATION OF THE DIVINITY SCHOOL TO THE UNIVERSITY

The YALE DIVINITY SCHOOL is one of the coördinate Departments of Yale University. The general advantages of the University are enjoyed by all its members in common. The graduates of the Divinity School, in common with the graduates of the other Departments, are enrolled in the Triennial Catalogue, and take part in the election of the alumni members of the Corporation. They are also themselves eligible to membership in the Corporation.

## CONDITIONS OF ADMISSION

The Divinity School is open, on equal terms, to students of every Christian denomination. The conditions of admission are membership in some evangelical Church,

or other satisfactory evidence of Christian character, and a liberal education at some College or University, or, in exceptional cases, an equivalent preparation for theological studies. Some knowledge of the Hebrew language on the part of those entering the Junior class is desirable.

By an arrangement recently made with the Academical Department of Yale University, it is now possible for Seniors to elect as part of their work for the B.A. degree the Hebrew, Greek Testament, and Philosophy of Religion of the Junior year in the Divinity School, thereby preparing themselves to enter the Middle class on graduation and thus to complete their theological course in two years. Such students, however, are expected to maintain a high grade of scholarship.

The following rules determine the admission of students to candidacy for the degree of Bachelor of Divinity:

1. Bachelors of Arts whose course of study has included Greek are admitted without examination as candidates for the degree of B.D.

2. Bachelors of Arts whose course of study has not included Greek, and graduates holding other literary degrees—such as B.S., B.L., and Ph.B.—are required to pass an examination in Greek before being admitted as candidates for the degree of B.D.

3. Applicants for admission who hold no collegiate degree are required to show by certificates and by examination\* that they have received the substantial equivalent of a college training. Full statements from their instructors, showing the subjects and the range of their previous studies, will be taken into account by the Faculty in

\* Such applicants will be examined in the following subjects:—

(1) *Latin Grammar*. Sight reading of easy prose, and the text of at least three standard authors. Three years study of Latin would ordinarily be necessary to the passing of this examination.

(2) *Greek*. The same general requirements as are made in Latin.

(3) *English Literature*. The examination will require a good degree of familiarity with the chief English and American writers in prose and poetry. The more exact range of the examination, in any particular case, may be agreed upon between the applicant and the Faculty.

(4) *History*. A careful study of one or more historical periods.

(5) *Philosophy*. A fair knowledge of logic, psychology, ethics and the history of philosophy.

(6) German, French, Political or Social Science may be offered in addition, or, in special cases, in lieu of one or more of the above subjects, except Greek and philosophy.

determining their fitness for admission. They may be admitted to membership in the institution without becoming at the outset candidates for the degree of B.D.

4. Such non-graduates as show superior scholarship in the actual work of the course may, at any time, by vote of the Faculty, become candidates for the degree of B.D.

5. Students from other Seminaries will be received to advanced standing upon the same terms as applicants for admission at the beginning of the course, but none will be received as candidates for the degree of B.D. after the opening of the first term of Senior year.

6. Students, not candidates for the degree of B.D., who shall complete the regular course satisfactorily, will receive from the Faculty a certificate testifying to this fact.

#### GRADUATE (OR FOURTH YEAR) CLASS

To this class only those who have completed a course of three years in this or some other Theological School are admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves, for one year or more, to special subjects of reading or investigation in any of the departments of theology under the advice and direction of Professors and with the help furnished by the Reference and University libraries. Candidates for membership in this class are admitted by vote of the Faculty.

From the connection of the Divinity School with the other Departments of the University, special advantages for the prosecution of linguistic and other studies are open to students preparing for service as foreign missionaries.

Members of the Graduate class are required, in all ordinary cases, to take at least three of the Divinity courses specially designed for this class (see below under Courses of Study), and are expected to continue their studies at the Divinity School during the entire year. They are furnished, on vote of the Faculty, with rooms on the same terms as the undergraduates and enjoy the same privileges as to instruction and the use of libraries.

Members of this class who have a degree of B.A. equivalent to that of Yale College may be enrolled in the Graduate Department of the University and become candidates for the degree of M.A. (requiring one year of residence), or that of Ph.D. (requiring at least two years of residence). The proposed course of study must have the approval of a committee of the Academical Faculty in case of M.A., and of the Graduate Faculty in case of Ph.D.

### RESIDENT LICENTIATES

The privileges of attendance at the lectures and use of the libraries of the Divinity School and University are granted, on application to the Faculty, to young men who have been licensed to preach and who desire to pursue studies throughout the year. A fee of ten dollars for incidental expenses will be charged in such cases. Rooms will be furnished to licentiates regularly enrolled and pursuing at least three of the Divinity courses at one-half the price charged occupants who are not members of the Divinity School.

### TERMS OF STUDY

Each year is divided into two terms of study by the Christmas vacation. Beginning with 1902-1903 the second term will extend to the first Wednesday in June, with a week's recess at Easter. It is expected that every student will be present at the beginning of each session. Catalogues and forms of application for admission may be obtained by addressing the Dean, Professor Frank K. Sanders, Drawer 4, Yale Station, New Haven, Conn. Testimonials are required in the case of new students applying for scholarship aid.

### COURSES OF STUDY

A fixed number of hours is required in each year of the course. These are divided into prescribed and elective courses. The required number of hours of elective work may be made up from the electives offered by the Profes-

sors in the Divinity School, or from University courses. Students who maintain a good standing in required work are allowed to take from one to four hours of electives in addition to the prescribed number.

#### LICENSE TO PREACH

Licenses to preach are granted by local and other associations to students sustaining a satisfactory examination.

The regular time for applying for licensure is near the close of the second year, before which time the members of the Divinity School are not expected to preach, except by special permission of the Faculty.

#### DEGREES

The degree of Bachelor of Divinity is conferred by the President and Fellows of the University on all members of the School who, having been admitted by the Faculty as candidates for this degree satisfactorily complete the prescribed course of study and present an approved thesis on some topic of theology. A fee of five dollars is charged for graduation.

Students who have completed two years of study in this School and who at the close of the Middle year desire to forego candidacy for the degree of B.D. and enter the Graduate School as candidates for the degree of Ph.D. in the Department of Biblical Literature and Semitic Languages, will be enrolled as members of the Senior class and allowed its privileges, provided they pursue the prescribed studies of that year.

#### GENERAL CATALOGUE

A supplement to the Seventh General Catalogue (1888) was issued by the Divinity School in 1900, bringing down the list of students in the institution from its beginning as a distinct department in 1822. Copies of the Supplement may be had (at the price of one dollar) by addressing the

Dean. On all points relating to the alumni, reference should be made to the Secretary of the Alumni Association of the Yale Divinity School, Rev. W. J. Mutch, 366 Howard Ave., New Haven, Conn.

#### ALUMNI ASSOCIATIONS

Branch alumni associations have been formed in the following states :—Massachusetts (Boston and Springfield), Connecticut, Iowa and Wisconsin.

### GENERAL DESCRIPTION OF THE COURSES OF STUDY BY DEPARTMENTS

#### DEPARTMENT OF OLD TESTAMENT LITERATURE AND HISTORY

##### PROFESSORS CURTIS AND KENT AND DR. PATTON

The prescribed work in this department for the degree of B.D. consists of one hundred and forty-four hours on the Hebrew language and the Hebrew text ; but by use of electives one can read critically nearly the entire Old Testament in the Hebrew, and also obtain an elementary knowledge of one or more of the cognate languages during his theological course. Students, however, who prefer a knowledge of the English text have an equal opportunity, by means of electives, to familiarize themselves with every part and feature of the English Old Testament. In Biblical Introduction only thirty hours of instruction are prescribed, but the courses offered, especially in the Department of Biblical and Semitic Literature (see pp. 418-422), provide a wide range of additional instruction in this branch of study.

## I. PRESCRIBED COURSES

PROFESSOR CURTIS

JUNIOR YEAR

1 *Elementary Hebrew and Exegesis.*

4 hrs. throughout the year.

The elements of Hebrew are taught with the use of Harper's *Hebrew Method and Manual* and *Elements of Hebrew* as textbooks. In addition to this preliminary work covering the first eight chapters of Genesis, the remainder of Genesis is read, and Hebrew Syntax is taught with the use of Gesenius' *Hebrew Grammar*; attention is also paid to exegesis, introducing the student to this science.

[Students who desire to extend this course over the Junior and Middle years may take a corresponding course of linguistic instruction, two hours a week throughout two years, given under the auspices of the Academical Department of Yale University. Students entering with a sufficient knowledge of the Hebrew may take the second half of this course during their Junior year, thus lessening their prescribed work from four to two hours a week throughout the year. (See p. 429 under Alternative Courses.)]

2 *Old Testament Introduction.*

1 hr. throughout the year.

This course covers the usual topics of both general and special introduction, and aims especially to give a clear understanding of the growth of modern critical opinions and of their place in religious thought. Instruction is given by means of lectures and also with the use of standard authorities.

MIDDLE YEAR

3 *Hebrew Language and Exegesis.*

2 hrs. 1st term.

This course consists of the translation and exegesis, by the student, of selected Psalms, the method of instruction being in general that of a *seminar*. A critical or exegetical paper is also required from each student.

## II. ELECTIVE COURSES

## PROFESSOR CURTIS

- 4 *Problems of Hexateuchal Criticism.* 1 hr. 2d term.

- 5 *The Wisdom Literature (Hebrew).*  
1 hr. throughout the year.

A course in translation and exegesis. Portions of Proverbs, Ecclesiastes and Canticles will be studied in 1902-1903.

- 6 *The Book of Isaiah (Hebrew).* 2 hrs. 2d term.  
Translation and exegesis of selected portions of Isaiah.

- 7 *The Prophetical Books (English).* 2 hrs. 2d term.

An exegesis of the Prophetical Books from the English text, familiarizing the student with the best literature upon these subjects and giving him a working knowledge of this portion of the English Bible. In 1902-1903 the subject of study will be the Minor Prophets.

## PROFESSOR KENT

- 8 *Hebrew Wisdom Literature (English).*  
2 hrs. 1st half-year.

An investigation (on the basis of the English translation) of the forms of Hebrew reflective literature and a comparison with the similar literature of other nations. The course will include an interpretation both of the biblical books of Proverbs, Ecclesiastes, and Job, and of the apocryphal books of Ecclesiasticus and the Wisdom of Solomon, and a consideration, both of the wisdom writers as a class and of the importance of this literature in the history of religious thought.

Continued in course 64 (p. 421).

## DR. PATTON

- 9 *The Textual Criticism of the Old Testament.*  
2 hrs. 1st term.

A close textual study of some one of the later Prophets, making use of the apparatus of the Lower criticism to restore the original text, together with discussions on the principles, apparatus, methods, and history of Old Testament Criticism.



## III. GRADUATE COURSES

PROFESSOR CURTIS

10 *Old Testament History and Archaeology.*

1 hr. throughout the year.

A series of studies in history and archaeology with the view of determining the meaning and historical value of the Old Testament records.

For additional electives in this department see pp. 418-422.

## DEPARTMENT OF NEW TESTAMENT LITERATURE AND HISTORY.

PROFESSOR BACON

In this department it is assumed that the student has already mastered the elements of the Greek language and aims at expert interpretation of the Greek New Testament. The first year, accordingly, is devoted to a practical application of the principles of grammatico-historical Exegesis, first to the Pauline Epistles, afterwards to the Synoptic Gospels, with lectures on the methods and apparatus of the science. The second year is devoted to Introduction, or the study of the origins of the New Testament books.

By the use of the electives in the Undergraduate and Graduate Departments of the University, a thorough training may be obtained in the peculiarities of Hellenistic Greek, and on the grammatical and philological side of the subject generally. The prescribed work of the regular Divinity Course, accordingly, is mainly directed toward Criticism and Exegesis, the Divinity Electives supplementing the regular course by a more extensive study of the New Testament writings, a wider outlook into their relations to contemporary Hellenistic thought and literature, and a deeper study of their origins.

## I. PRESCRIBED COURSES

## JUNIOR YEAR

- 11 *The Pauline Epistles.* 3 hrs. 1st term.

A study of the doctrine of Paul by grammatico-historical exegesis of Galatians, with use of critical commentaries and comparison of Romans and First and Second Corinthians. The method is a presentation by the class of the results of exegetical study (using the commentaries of Meyer, Lightfoot, Sanday and others), followed, chapter by chapter, by the instructor's exegetical synopsis. The chief aim is to master the greater Pauline ideas concerning the relation of Christianity to legalism. Papers are required on subjects assigned.

- 12 *The Synoptic Gospels.* 3 hrs. 2d term.

A similar exegetical study of the Gospel tradition, making Mark the basis, with comparison of Matthew and Luke. The emphasis is laid principally upon historical rather than merely grammatical interpretation, the chief aim being a consistent outline of the life of Christ.

- 13 *New Testament Encyclopaedia.* 1 hr. 2d term.

A series of lectures, taking up consecutively the methods and apparatus of New Testament Philology and Archaeology, History and Criticism of the Text, History of the Formation of the Canon, and History of the Science of Introduction, or the Higher Criticism.

## MIDDLE YEAR

- 14 *Special Introduction to the Books of the New Testament.* 2 hrs. 1st term.

A series of lectures on the origin of the several New Testament books in the light of critical investigation. The object is to convey a comprehensive idea of each book in the light of its authorship, purpose and history. The student is expected to supplement the lectures by reading done in the Library. This should include some of the more important German works on Introduction, Histories of the Apostolic Age, etc.

## II. ELECTIVE COURSES

## OPEN TO ALL CLASSES

- 15 *The Christological Epistles.* 1 hr. 1st term.

A lecture course presenting the origin and nature of the Pauline Christology through an interpretative discussion of Ephesians, with comparison of Colossians, Philemon, and Philippians, as related to the earlier epistles. A thesis will be prepared by each member of the class.

- 16 *Hebrews and Catholic Epistles.* 2 hrs. throughout the year.

A critical and exegetical study of the non-Pauline epistles in their origin and historical environment. In connection with the translation and interpretation, special attention will be given to problems of introduction.

- 17 *Origin of the Johannine Writings.* 2 hrs. throughout the year.

An alternate to the foregoing elective. On the formation of the class a vote will be taken determining which course shall be followed for the year. Problems of the higher criticism are more prominent in the second, including a discussion of the theories of Wendt, Baldensperger and others on the Johannine problem. Special attention will be given to the origin and relation of the dominant Johannine ideas.

## OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

- 18 *Historico-critical Analysis of the Book of Acts.* 2 hrs. 2d term.

The method will be to assign consecutive sections of the book to members of the class for discussion from the standpoint of the critical historian, and treating it as the fundamental source for a critical history of the Apostolic Age. The results will be summarized by the instructor after treatment of each section by the class.

## III. GRADUATE COURSE

- 19 *Problems of Textual Criticism.* 1 hr. 2d term.

A *seminar* course in textual criticism.

The members of the class will prepare in turn successive sections of the text, giving approximately the archetypal Alexandrian and Western form, beginning with the Lucan writings. The history of the principal variants will then be discussed together. The object is to obtain familiarity with the methods of textual criticism in its present character, and an insight into its living problems.

## DEPARTMENT OF BIBLICAL THEOLOGY

## PROFESSOR PORTER

In this department the religious thought and life of the Old and New Testaments are studied from the point of view and with the methods of the science of religious history. The effort is not to construct a Biblical Dogmatics, nor merely to set forth in an orderly way the thought-contents of the several books, but to understand the religious history out of which the books came, and to gain a right appreciation of its persons and events, its shaping forces and the continuity and progress of its movements.

## I. PRESCRIBED COURSES

## MIDDLE YEAR

- 20 *Biblical Theology of the Old Testament.* 2 hrs. 2d term.

The course consists of lectures, to be supplemented by prescribed reading. The aim is to give a brief and comprehensive view of the religious thought and life of Israel in its beginnings as a nation, and in the successive stages of its religious history. Special attention is given to the individual character and historical significance of the teachings of the prophets, to the origin and growth of legalism, and to the influences, both from within and from without, which shaped the religion of post-Exilic Judaism.

## SENIOR YEAR

21 *Biblical Theology of the New Testament.*

3 hrs. throughout the year.

The course consists of lectures, with supplementary reading. The central aim of the course is the right understanding and estimation of the Teaching of Jesus. This is studied on the basis of a critical comparison of the Gospels, and with constant reference to its relation to the law and prophets of Israel, and to the various tendencies and problems of contemporaneous Jewish thought. The Apostolic Teaching is then studied, with the effort to define the common faith of primitive Christianity, the distinctive character and influence of the thought of Paul, and the influences and movements of the early post-apostolic age.

## II. ELECTIVE COURSE

OPEN TO THE MIDDLE AND SENIOR CLASSES

22 *The Biblical Conceptions of Inspiration and Revelation.*

2 hrs. 1st term.

A historical study of these conceptions in earlier and later forms in the Old Testament, in later Jewish literature, and in the New Testament. Special attention will be given to two subjects, (1) the nature of prophecy, (2) the rise of the idea of a written revelation. The relation of these two to each other, and the conception of the Spirit of God connected with each, will be considered.

## III. GRADUATE COURSE

23 *The Apocalyptic Literature.* 1 hr. throughout the year.

Studies in the historical conditions and the literary and psychological processes which resulted in the formation of the Jewish apocalypses; and a consideration of the historical significance of this literature in relation to the rise of Christianity. A *seminar* course, based on the reading of Daniel, Enoch, the Apocalypses of Ezra and Baruch, and Revelation.

## DEPARTMENT OF CHURCH HISTORY

## PROFESSOR WALKER

The aim in this department is to guide the student to a conception of Christian history as the development of the Kingdom of God on earth. While no line is drawn between the sacred and the secular in history, and all historic progress is regarded as essentially one divinely guided process, the primary themes in this department are necessarily the origin, growth, principles, divisions and leaders of the Christian Church. These are surveyed in general outline, and the more important episodes and personages in Christian history are examined in fuller detail. An effort is made to acquaint the student with proper methods of historical investigation and criticism and to give him some facility in their use.

## I. PRESCRIBED COURSES

## MIDDLE YEAR

- 24 *Church History from the Apostolic Age to the Close of the Crusades.* 3 hrs. throughout the year.

This course discusses the condition of the Graeco-Roman world at the introduction of the Gospel ; the spread of Christianity ; the organization, worship, controversies and doctrinal development of the early Church ; the effects of the adoption of Christianity by the Roman state ; the great Councils and their results, the work and theology of Augustine ; the Germanic invasions and the missionary problems presented by them ; Monasticism ; the rise and spread of Mohammedanism ; the organization of Latin Christianity under the Papacy ; the Holy Roman Empire ; the struggles of Papacy and Empire ; the Crusades and their consequences ; the Cathari and Waldenses.

## SENIOR YEAR

- 25 *Church History from the Crusades to the close of the Reformation Era.* 2 hrs. throughout the year.

This course continues the course just described. Pursuing the same general method, its attempt is to trace the movements preparatory to the Reformation ; to discuss the influence of the

Renaissance and the discoveries ; to examine the reformatory attempts within the Church, especially the Councils ; to follow the story of the revolt from papal obedience in Germany, Switzerland, Scandinavia, France, the Netherlands, England and Scotland, and the Roman "Counter-Reformation," giving special attention to the work of Luther, Melancthon, Zwingli, Calvin, Knox, and Loyola ; to enquire into the religious, political, and social consequences of the Reformation on the European continent to the close of the religious wars with the Peace of Westphalia, and to follow the story of the English Reformation through the Puritan struggle and the Restoration to the Toleration Act.

## II. ELECTIVE COURSES

### OPEN TO THE MIDDLE AND SENIOR CLASSES

- 26 *The History of Congregationalism.* 1 hr. 1st term.

A rapid survey designed to familiarize the student with the origins and leading events of Congregational history.

### OPEN TO THE SENIOR CLASS ONLY

- 27 *The Life and Work of Calvin.* 1 hr. 2d term.

In this course, Calvin's personal characteristics, his education, his relation to the intellectual movements of his time and his conversion are discussed ; his theology is briefly examined, and especial attention is devoted to his work as an organizer, and to the governmental, religious, and educational development of Geneva under his leadership.

## III. GRADUATE COURSE

- 28 *The Church of the Eighteenth and Nineteenth Centuries.*  
1 hr. throughout the year.

This course discusses Pietism and Moravianism ; the Wesleyan revival in its religious and philanthropic aspects ; the beginnings of modern Protestant missions ; Rationalism ; the rise and development of modern German theology ; the several parties in the Church of England ; the English Dissenters ; Scottish divisions and reunions ; and the doctrinal and political development of Roman Catholicism to the present time.

A student desiring to specialize in Church History will find the courses offered by the University in History, Paleography and Epigraphy of much advantage. The more important of these courses are indicated on pp. 291, 293, 312, 317.

## DEPARTMENT OF SYSTEMATIC THEOLOGY

## PROFESSOR STEVENS

The aim in this department is to set forth the grounds and content of the Christian faith in a method at once historical, critical, and constructive. With this end in view, the first year is devoted to the study of the rational grounds of Theism and the historical basis and beginnings of Christianity. During the second year, a systematic investigation of Christian theology is undertaken. Each doctrine is studied in its biblical elements, its chief historical forms, and its aspects and bearings for the thought of to-day. Supplementary courses afford occasion for collateral reading and opportunity for questions and informal discussions.

## I. PRESCRIBED COURSES

## JUNIOR YEAR

- 29 *The Philosophy of Theism.* 1 hr. 1st term.

A discussion of the principal forms of the theistic argument with special reference to the philosophical principles involved.

- 30 *Apologetics.* 1 hr. 2d term.

A study of the principal questions of theory and of fact which are involved in the defense of Christianity against current objections.

## MIDDLE YEAR

- 31 *The Science of the Christian Faith.*  
3 hrs. throughout the year.

The course includes the investigation and discussion of such topics as the Nature and Method of Theology, the Doctrine of Sacred Scripture, the Christian Idea of God and of Man, the Nature and Consequences of Sin, the Person of Christ, the Work of the Holy Spirit, the Trinity, the Atonement, the Christian Life, the Church, and the Consummation of the Kingdom of God. Special attention is paid to current discussions and controversies in theology and to the most recent literature on the various topics which are studied.



## II. ELECTIVE COURSES

## OPEN TO ALL CLASSES

- 32 *The reading and discussion of Flint's Anti-Theistic Theories.* 1 hr. 1st term.

This course is intended to supplement the course in Theism and to offer opportunity for class-room discussion.

- 33 *The Theology of Horace Bushnell.* 1 hr. 2d term.

This course will consist, in part, of lectures on Bushnell's career, controversies, and writings, and, in part, of the reading and discussion of one or more of his most important works.

## OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

- 34 *Theological Seminar.* 1 hr. throughout the year.

This will be a course in theological reading and discussion, designed to supplement the lectures on Systematic Theology. Orr's *Christian View of God and the World* and Denney's *Studies in Theology* will be read as a basis, and, in addition, a number of treatises on particular topics will be reviewed.

## III. GRADUATE COURSE

- 35 *The Christian Doctrine of Salvation.* 1 hr. throughout the year.

A biblical, historical, and constructive study of the Atonement. In addition to lectures, Forrest's *The Christ of History and of Experience* will be read and discussed, and other monographs will be reviewed by members of the class.

## DEPARTMENT OF PRACTICAL THEOLOGY

## PROFESSOR BRASTOW

It is the object of the following courses to combine in due measure the theoretical and the practical. Lectures are used rather than text-books, because there are no text-books that cover the whole field of discussion, and are

preferred as a more inspiring method of transmitting knowledge. They are used only as a guide to personal investigation and as an incentive to personal initiative. It is desired that every student have adequate opportunity for personal research and for personal training within the sphere of adequate knowledge. To this end each one will have assigned to him the task of personal investigation, personal production, and the expression of personal judgment with respect to the topics discussed.

The aim of this department is to educate and train ministers who will be measurably competent at once to undertake and carry on all branches of church work. The work of the department in lectures and in research is supplemented on its practical side by the training for which provision is made in the General Scholarship system (see pp. 439 f.). A study of human life in its various forms of experience is necessary for the interpretation of the work of the class-room, and it furnishes concrete materials of knowledge that the class-room can not provide.

## I. PRESCRIBED COURSES

### JUNIOR YEAR

- 36 *Introduction to Practical Theology. The Pastorate.*  
*Homiletics.* 1 hr. throughout the year.

Introductory lectures on Practical Theology, including a discussion of its relation to other branches of theology, its scope, its method, and the contributions made by the different branches of theology to each other, followed by lectures on the Christian Pastorate, including a discussion of the ministry as a divine calling, its relation to the Christian calling in general, unification of ministerial functions in the pastorate, its personal and official factors, the historic origin and development of ministerial offices; to be followed by lectures introductory to Homiletics, including a discussion of the value and method of homiletic study, the Christian conception of preaching, the general and specific aims of preaching, the cultivation of preaching gifts, the study of the topic as related to preaching, including the sketching of sermon outlines by the members of the class.

## MIDDLE YEAR

37 *Structural Homiletics. Material Homiletics.*

2 hrs. throughout the year.

Lectures twice a week on Structural Homiletics, dealing with the sermon as an organism, to be followed by lectures on the subject matter of preaching, including the text as related to subject matter, the conception of preaching Christ, the use of the Old Testament in preaching and the choice of subjects for preaching. The members of the class will be asked to investigate the sermons of noted modern preachers, with reference to criticism of their structure and subject-matter, and will present essays embodying the results of their investigations, and each member of the class will preach once before his classmates with reference to homiletic criticism.

## SENIOR YEAR

38 *Types of Preaching. Pastoral Catechetics. Church Government.*

3 hrs. throughout the year.

Lectures twice a week on classified types of preaching, involving a discussion of Expository, Doctrinal, Ethical and Evangelistic preaching, and the manuscript, the memoriter, and the extemporaneous methods of preaching; to be followed by a course on Pastoral Catechetics, including a sketch of its history, a discussion of its objects, causes of its decline, demand for its restoration, catechetical material; to be followed by a course on Liturgics, including a discussion of worship in its expressive and impressive aspects, the external conditions, or worship as related to time and place, the permanent forms of worship, liturgical acts, liturgical culture, the Sacraments, the church prayer meeting, the burial of the dead, confirmation, the church confession and the church covenant.

## PROFESSOR LADD

39 *The Pastor's Student-Life.*

A discussion of the obstacles in the way of successful student-life, mistaken conceptions of the pastor's duty with respect to it, its motives and rewards, the proper objects and methods of pastoral student life.

## II. ELECTIVE COURSES

## OPEN TO THE MIDDLE CLASS

- 40 *The Topic.* 1 hr. 2d term.

A course will be offered to the members of the Middle Class, 1902-1903, on the Topic, including a discussion of, and practical experiments in the use of, various possible methods of handling the material of the introduction to the sermon, of deducing themes from texts, of outlining the discussion, and of concluding the sermon.

## OPEN TO THE SENIOR CLASS

- 41 *Poimenics, Church Missions, Church and Family, Church and State.* 1 hr. throughout the year.

A discussion of the following topics in Practical Theology: the pastoral care of individual souls, pastoral culture, intellectual, ethical, religious and social, the missionary work of the church, the theory and method of church benevolence. The religious significance of the family, family religion, Christian marriage, pastoral responsibility with respect to divorce. Theories of the relations of the church and state, independence and supremacy of the church within its sphere, pastoral leadership in education, literature and politics, the temperance reform. Essays on the subjects discussed will be expected from members of the class.

## III. GRADUATE CLASS

- 42 *Preaching of the Seventeenth and Eighteenth Centuries.* 1 hr. throughout the year.

Members of the class are expected to present critical estimates of the preachers discussed.

## IV. CHRISTIAN PEDAGOGY

DR. WALTER L. HERVEY

- 43 *Educational Principles Applied to Religious Teaching.*

A course of lectures with assigned work on the history and methods of religious pedagogy.

For general work in Pedagogy, see Course I. 32-35 described on pages 278, 279. The courses offered by

Dr. Rowe and Dr. McAllister are of great value to one who desires a thorough training in the theory and practice of teaching. They are supplemental to courses 38 and 43 described above.

## DEPARTMENT OF CHRISTIAN SOCIOLOGY

### DR. BAILEY

It is intended that the courses offered in this department shall be taken in their proper order by the members of the various classes, but during the coming year the course in Economics may be taken by a member of any class, and the course in Systematic Sociology by any member of the Middle or Senior classes.

## I. ELECTIVE COURSES

### JUNIOR CLASS

- 44 *Economics.* 2 hrs. 1st term.

This course is intended to meet the needs of those who, in their preparation, have been unable to give sufficient attention to political economy. Hadley's *Economics* will be used as a text-book, and for purposes of discussion in the class-room. This work will be supplemented by lectures which are intended to enable the student to deal in a scientific manner with some of the principal economic questions.

### MIDDLE CLASS

- 45 *Systematic Sociology.* 2 hrs. 2d term.

A study will be made of the opinions of the principal writers on this subject in their attempts to determine the laws which underlie the growth and organization of society. The lectures will treat of property, the formation of social classes, condition of women, conflict of the individual with society, socialism, anarchism, nihilism and allied topics.

### SENIOR CLASS

- 46 *Practical Sociology.* 2 hrs. throughout the year.

A critical study of the principal social phenomena that are characteristic of American Society. The problems connected with the negro, the concentration of population in cities with

the attendant dangers, immigration, organizations for charity and the relief of the poor, the liquor question, and kindred themes will be presented as lectures. Considerable attention will be given to the institutions for the punishment of crime and reformation of criminals. Wright's *Elements of Practical Sociology* will be used as text-book, but additional works of reference will be recommended on the questions under discussion.

For the University elective courses in Economics and Sociology, see page 284 f.

## II. PRACTICAL WORK

The system of practical work in connection with the General Scholarships (see p. 439) affords excellent opportunities for actual experience in dealing with social problems.

This practical experience is supplemented by an annual visit of two or three days to the charitable and correctional institutions of New York City under Dr. Bailey's direction.

### BIBLICAL AND SEMITIC COURSES (*Elective*)

#### HEBREW

#### PROFESSOR KENT

- 47 *The Minor Prophets.* 2 hrs. 1st term.

Critical translation and interpretation, with a special study of the political, social and religious teachings of each prophet. The elements of Hebrew grammar will be thoroughly reviewed.

- 48 *Hebrew Syntax.* 2 hrs. 2d term.

A study of the principles of Hebrew Syntax, with the reading of a variety of passages with special reference to a syntactical interpretation.

#### MR. LENT.

- 49 *Elementary Hebrew.* 2 hrs.

A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.

## DR. PATTON

50 *Assyrian Literature.* 2 hrs.

Reading of transliterated selections from the historical and poetical literature of Assyria. The aim of this course is to afford from the original sources a survey of the history of the country and a first-hand knowledge of its great epic poems. Special attention will be given to portions which have a bearing on the Old Testament.

## COGNATE SEMITIC LANGUAGES

## PROFESSOR TORREY

51 *The Koran.* 3 hrs. 1st half-year.

Reading of selected suras, with a supplementary study of the life of Mohammed.

52 *The Arabic Historians.* 2 hrs. 2d half-year.

The reading of Ibn Hishâm's account of the battle of Bedr. This course alternates with one in Arabic Poetry.

53 *The Old Syriac Gospels.* 2 hrs. 1st half-year.

The reading of a considerable portion of the Lewis Palimpsest (*The Four Gospels in Syriac*; Cambridge, 1894) with attention to both linguistic and critical phenomena. Students who have taken a course in elementary Syriac will be qualified to enter this course.

54 *Sabaeen and Minaean Inscriptions.* 1 hr. 1st half-year.

At least an elementary knowledge of Arabic is required for this course. Some knowledge of Ethiopic is very desirable, but not necessary.

This course alternates with one in North Semitic Inscriptions.

55 *Advanced Ethiopic.* 2 hrs. 2d half-year.

Reading of the *History of the Martyrs of Nagrân* (Pereira's edition of 1899). If preferred, selections from the *Book of Jubilees* (ed. Charles; Oxford, 1895) will be read.

This course alternates with one in Elementary Ethiopic.

56 *General Introduction to Semitic Philology.* 1 hr.

A general view of the Semitic languages and peoples, including a brief survey of their literatures. No previous knowledge of the Semitic languages is required for this course, though some acquaintance with at least the Hebrew language is desirable.

57 *Semitic Seminary.* 1 hr. throughout the year.

Applicants for membership must be well advanced in at least one of the three languages, Hebrew, Syriac, and Arabic, and must have had at least an elementary course in each of the others. Some knowledge of Ethiopic and Assyrian, especially the latter, is desirable, though not indispensable.

The work of the year 1902-1903 will include the comparative study of Semitic poetical forms and the investigation of problems of Semitic phonology and comparative grammar. Students who have made considerable progress in Arabic will have an opportunity to make use of some of the manuscripts in the Jesup and Salisbury collections.

## DR. PATTON

58 *Advanced Syriac.* 2 hrs. 1st half-year.

Reading of historical selections; alternates with a course in Elementary Syriac.

59 *Biblical and Palestinian Aramaic.* 2 hrs. 2d half-year.

A study of Biblical Aramaic using Marti's *Aramäische Grammatik*, and of Palestinian Aramaic using Dalman's *Grammatik*.

60 *Elementary Arabic.* 2 hrs.

The elements of Arabic grammar, including practical exercises and translation into Arabic. Rapid reading of easy prose extracts. The text-books used will be Socin's *Grammar* (2d edit.) and Brünnow's *Chrestomathy*.

61 *Elementary Assyrian.* 2 hrs.

The aim of the course is to give the student a good introduction to the Assyrian language and literature. Especial attention will be given to practice in reading both cuneiform and transliterated texts. The text-books used will be Lyon's *Assyrian Manual*, 2d edition, and Delitzsch's *Lesestücke*, 4th edition, 1900.



## BIBLICAL LITERATURE

## PROFESSOR KENT

62 *Biblical Literature and History (Pre-exilic).* 2 hrs.

A constructive survey of the literature and history of the Hebrews until the Babylonian exile, 586 B. C., each Old Testament book being considered in the light of the conditions and problems of the age in which it was written. The history of the Hebrews is studied in connection with that of the contemporary people of Western Asia, and the development of their political, social, and religious institutions is carefully traced. The course aims in general (1) to acquaint the student with the significant facts and forces of ancient Semitic, and especially Israelitish history, (2) to give a thorough familiarity with the origin, literary form, and essential thoughts of the Old Testament books, and (3) to promote an intelligent appreciation of their ethical and religious teachings. This course is intended to serve as a general introduction to the historical, literary and religious study of the Bible.

63 *Biblical Literature and History (Post-exilic).* 2 hrs.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course 62, some apocryphal literature and the whole of the New Testament. This course is complete in itself, while, with course 62, it covers the entire Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history. Especial attention is given to the life and thought of Judaism and to the origin, development, and fundamental teachings of Christianity.

64. *Hebrew Poetical Literature.* 2 hrs. 2d half-year.

Investigation (on the basis of the English translation) of the characteristics of Hebrew poetry, classification of the different types found in the Bible, comparison with other examples of Semitic poetry, and a careful study of the relation of literary form to interpretation. Special attention will be given to the origin, structure and interpretation of the Psalter.

A continuation of course 8 (p. 404).

65 *Biblical Seminary.* 2 hrs.

A course intended to train students for patient, accurate, and independent investigation of Biblical and cognate questions. It is open only to those who have a general acquaintance with the field of Biblical History and Literature.

During 1902-1903 the scientific classification of the Old Testament Literature according to contents, aim, and authorship, will be considered. Especial attention will be given to the critical analysis and origin of the historical writings.

PROFESSOR TORREY

66 *Maccabean History and Literature.* 2 hrs. 2d half-year.

A survey of the history and literature of the period from the death of Alexander the Great, 323 B. C., to the Conquest of Palestine by Pompey, 63 B. C.

MR. LENT

67 *The Life of Jesus.* 2 hrs. 1st half-year.

A study of the data given in the Gospels together with the reading of the more important of the recent works on the Life of Christ.

68 *Reading of Theological German.* 1 hr.

The reading of Wellhausen's *Israelitische und Jüdische Geschichte*, 4th edition, or of some similar work.

MR. —————

69 *Readings in Post-Biblical Jewish Literature.* 2 hrs.

A sight-reading course in Rabbinic and Talmudic literature with discussions of the later Jewish interpretation of Hebrew law.

Students in this course must have gained a working knowledge of Hebrew and Aramaic.

70 *Modern Hebrew Literature.* 1 hr.

The class reads some standard historical novel by a modern writer, which affords practice in the reading of Hebrew and an insight into Jewish life and ideas.

Only a good elementary knowledge of Hebrew is necessary for this course.

## ELOCUTION

MR. KLEISER

The courses in elocution are designed to give a thorough and systematic training in vocal and visible expression as applied to reading and speaking. The work is practical and comprehensive. The courses are prescribed, but do not count toward the required number of hours. They are supplemented by a Practice Class conducted by the instructor and by personal interviews.

For a statement regarding the Downes prizes, founded to stimulate an interest in the work of this Department, see page 442.

## JUNIOR YEAR

71 *The Mechanics of Elocution.* 1 hr. throughout the year.

Embracing exercises in deep breathing, articulation, pronunciation, voice culture, expression, gesture, conversation and reading. Speech defects are here remedied and a good foundation established for advanced work.

## MIDDLE YEAR

72 *Intellectual Aspects of Elocution.*

1 hr. throughout the year.

In addition to advanced exercises in voice culture, this course will include studies in emphasis, pausing, spontaneity, imitative and progressive modulation, transition, imagination, thought-analysis, climax, Bible and Hymn Reading, recitation, etc.

## SENIOR YEAR

73 *Advanced Course in Elocution.* 1 hr. throughout the year.

Special work in extemporaneous speaking, Bible and Hymn Reading, Shakespeare and miscellaneous authors; also a thorough study of the emotions, earnestness, repose, visible expression and criticism.

Connected with each of the courses there is individual drill and criticism.

## THE STUDY OF MISSIONS

PROFESSOR WALKER

It is the purpose of the Divinity School to offer each year a carefully arranged elective course, providing for lectures, the investigation of special problems, and directed reading, which will serve to deepen and define the interest of the students in the history, working conditions, and pressing claims of the enterprise of Foreign and Home Missions.

## I. ELECTIVE COURSES

OPEN TO ALL CLASSES

- 74 *History of the Foreign Mission Movement in America,*  
1 hr. 1st term.

A consideration of the early factors promotive of an unorganized interest in Missions, the Williamstown-Andover Movement, the formation of the American Board, the rise of other societies during the century, the existing fields, forces, motives and methods, the progress toward a science of missions and an estimate of America's opportunities and obligations at the present time.

- 75 *Medieval and Early Modern Missions.* 1 hr. 2d term.

The aim of this course is to give a compact outline of Christian Missions from the days of Ulfilas to those of Jonathan Edwards. The conversion of Ireland and Scotland, the spread of the Gospel among the Germanic and Scandinavian peoples, its advance in Eastern Europe, and the missionary methods of the Middle Ages are considered. The Roman Catholic missions of the Reformation Period in India, Japan, China, and America are next passed in view. The beginnings of Protestant missions are sketched, and the course concludes with a description of the missionary labors undertaken by the early settlers of New England for the conversion of their Indian neighbors.

The Library of Foreign Missions, containing about 7,000 titles, as well as a complete set of the current periodicals and reports, affords an opportunity, unequalled in this country, for original research and for unrestricted reading.

Students who are looking forward to missionary service will find of great advantage the work offered by Professor F. Wells Williams on Asiatic History (Course XX B 13, p. 141), by Professor Keller on Colonization (Course II, 33, p. 289), and by Professors Ladd and Hopkins on Comparative Religion (Courses I, 27, 31, p. 278, and IV, 55, p. 319). Those intending to work in India have an opportunity for the mastery of Sanskrit in Courses IV, 51, 52, p. 318, offered by Professor Hopkins.

## II. LECTURE COURSES

The regular work of this department is supplemented by courses of lectures given at intervals by those best fitted to deal with the theory and practice of missions, and to give an insight into the methods of missionaries on the field.

The lectures to be given during the year are as follows :

Rev. Wilton Merle Smith, D.D., of New York City, gives two lectures upon "The Cultivation of the Missionary Spirit in Pastor and People."

Robert Eliot Speer, M.A., of New York City, gives two lectures upon "The Personal Factor in Missions."

Rev. George William Knox, D.D., of the Union Theological Seminary, gives one lecture upon "The Causes of Chinese Hostility to Missions."

John R. Mott, M.A., of New York City, gives one lecture upon "The Appeal of the Foreign Field to the Student World of To-day."

## MUSIC

The electives given below are intended to supplement the work of the Department of Music in the University, in the line of elementary vocal culture. The courses of instruction in the Department of Music are open to Divinity students on the conditions stated in the University Catalogue. These courses, under Professors Parker,

Sanford, and Jepson, include Harmony, Counterpoint, History of Music, Composition, and Instrumentation, affording the fullest opportunities for any one who seeks to perfect his training as a director of church music.

From time to time a series of lectures will be given on the History of Church Music, its beginnings, development, relation to the church service, etc., with two or three musical programs illustrative of the music of different periods. The University Chamber Concerts and the New Haven Symphony Concerts are open to students at a small charge. Organ Recitals are given in the College Chapel by Professor Jepson, during the Winter term.

MR. FISHER

76 *Sight-reading and Singing.* 1 hr.

Especially intended to enable those students who know little or nothing about music to read and sing ordinary music at sight, the music advancing in difficulty with the ability of the students.

MR. PIERCE

77 *Choral Singing.* 1 hr.

Open to those students who read music easily. The study of such sacred music as has been arranged for male voices will be taken up. Attention will also be given to the right use of the voice. This class constitutes the Divinity School Glee Club.

For the library of church music belonging to the Divinity School see page 432.

OUTLINE OF STUDY BY CLASSES

1902-1903

JUNIOR CLASS

PRESCRIBED STUDIES, 318 HOURS.

First Term.

1. Elementary Hebrew .....	4 hrs. a week...	48 hrs.
2. Old Testament Introduction	1 hr. " ...	12 "
11. New Testament Exegesis ..	3 hrs. " ...	36 "
29. Philosophy of Theism .....	1 hr. " ...	12 "
36. Practical Theology .....	1 hr. " ...	12 "
Total .....		120 "

Second Term.

1. Elementary Hebrew .....	4 hrs. a week...	72 hrs.
2. Old Testament Introduction	1 hr. " ...	18 "
12. New Testament Exegesis ..	3 hrs. " ...	54 "
13. New Testam't Encyclopaedia	1 hr. " ...	18 "
30. Apologetics .....	1 hr. " ...	18 "
36. Practical Theology .....	1 hr. " ...	18 "
Total .....		198 "

ELECTIVE STUDIES, 108 HOURS.

MIDDLE CLASS

PRESCRIBED STUDIES, 324 HOURS.

First Term.

3. Hebrew Exegesis .....	2 hrs. a week...	24 hrs.
14. New Testament Introduction	2 " " ...	24 "
24. Church History .....	3 " " ...	36 "
31. Science of Christian Faith.	3 " " ...	36 "
37. Homiletics .....	2 " " ...	24 "
Total .....		144 "

*Second Term.*

20. Biblical Theology of the O. T.	2 hrs. a week	--	36 hrs.
24. Church History	3 " "	--	54 "
31. Science of Christian Faith	3 " "	--	54 "
37. Homiletics	2 " "	--	36 "
<hr/>			
Total	10 " "	--	180 "

## ELECTIVE STUDIES, 120 HOURS.

## SENIOR CLASS

## PRESCRIBED STUDIES, 240 HOURS.

*First Term.*

21. Biblical Theology of the N. T.	3 hrs. a week	--	36 hrs.
25. Church History	2 " "	--	24 "
38, 39. Practical Theology	3 " "	--	36 "
<hr/>			
Total	8 " "	--	96 "

*Second Term.*

21. Biblical Theology of the N. T.	3 hrs. a week	--	54 hrs.
25. Church History	2 " "	--	36 "
38, 39. Practical Theology	3 " "	--	54 "
<hr/>			
Total	8 " "	--	144 "

## ELECTIVE STUDIES, 150 HOURS.

## ALTERNATIVE COURSES

Students who bring certification of having satisfactorily completed any of the above prescribed courses at other institutions, may substitute elective courses subject to the approval of the Faculty. The amended schedule of courses proposed should be submitted to the Faculty through the Dean as soon as possible after the opening of the term.



## DIVINITY SCHOOL ELECTIVES

## I. OPEN TO ALL CLASSES

*Both Terms.*

5. Wisdom Literature (Heb.) .....	1 hr. a week
16. Hebrews and Catholic Epistles .....	2 hrs. "
17. Origin of Johannine Writings .....	2 hrs. "
49. Elementary Hebrew .....	2 hrs. "
56. Semitic Philology .....	1 hr. "
57. Semitic Seminary .....	1 hr. "
60. Elementary Arabic .....	2 hrs. "
61. Elementary Assyrian .....	2 hrs. "
65. Biblical Seminary .....	2 hrs. "
68. Theological German .....	1 hr. "
69. Post-Biblical Jewish Literature .....	2 hrs. "
70. Modern Hebrew Literature .....	1 hr. "

*First Term only.*

8. Hebrew Wisdom Literature (English) ..	2 hrs. a week
9. Textual Criticism of Old Testament ..	2 hrs. "
15. Christological Epistles .....	1 hr. "
32. Flint's Anti-Theistic Theories .....	1 hr. "
44. Economics .....	2 hrs. "
47. Minor Prophets (Hebrew) .....	2 hrs. "
51. Koran .....	3 hrs. "
53. Old Syriac Gospels .....	2 hrs. "
54. Sabæan and Minæan Inscriptions .....	1 hr. "
58. Advanced Syriac .....	2 hrs. "
67. Life of Jesus .....	2 hrs. "
74. History of American Foreign Missions	1 hr. "

*Second Term only.*

4. Hexateuchal Criticism .....	1 hr. a week
6. Isaiah (Heb.) .....	2 hrs. "
7. Prophetical Books (Eng.) .....	2 hrs. "
33. Theology of Horace Bushnell .....	1 hr. "

48. Hebrew Syntax .....	2 hrs. a week
52. Arabic Historians .....	2 hrs. "
55. Advanced Ethiopic .....	2 hrs. "
59. Biblical and Palestinian Aramaic .....	2 hrs. "
64. Hebrew Poetical Literature .....	2 hrs. "
66. Maccabean History and Literature .....	2 hrs. "
75. Mediæval and Early Modern Missions .....	1 hr. "

## II. OPEN TO THE JUNIOR CLASS

*Both Terms.*

62. Biblical Literature, Pre-Exilic .....	2 hrs. a week
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## III. OPEN TO THE MIDDLE CLASS

*Second Term only.*

40. The Topic .....	1 hr. a week
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## IV. OPEN TO THE MIDDLE AND SENIOR CLASSES

*First Term only.*

22. Biblical Conceptions of Inspiration and Revelation .....	2 hrs. a week
26. History of Congregationalism .....	1 hr. a week

*Second Term only.*

45. Systematic Sociology .....	2 hrs. a week
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## V. OPEN TO THE SENIOR CLASS

*Both Terms.*

41. Poimenics .....	1 hr. a week
46. Practical Sociology .....	2 hrs. "

*Second Term only.*

27. The Life and Work of Calvin .....	1 hr. a week
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## VI. OPEN TO THE MIDDLE, SENIOR AND GRADUATE CLASSES

### *Both Terms.*

- |  |              |
|--|--------------|
| 34. Theological Seminar .....              | 1 hr. a week |
| 63. Biblical Literature, Post-Exilic ..... | 2 hrs. "     |

### *Second Term only.*

- |                                    |               |
|------------------------------------|---------------|
| 18. Critical Analysis of Acts..... | 2 hrs. a week |
|------------------------------------|---------------|

## VII. OPEN TO THE GRADUATE CLASS

In addition to the foregoing Divinity School electives, which are also open to the Graduate class, and besides the University electives hereinafter described, the following courses are offered by the Divinity School Faculty to the Graduate class as especially adapted to advanced work. It is expected that at least three of the courses will be taken by each member of the class.

### *Both Terms.*

- |  |              |
|--|--------------|
| 10. O. T. History and Archæology .....     | 1 hr. a week |
| 23. Apocalyptical Literature.....          | 1 " "        |
| 28. Church of 18th and 19th Centuries....  | 1 " "        |
| 35. Christian Doctrine of Salvation.....   | 1 " "        |
| 42. Preaching of 17th and 18th Centuries - | 1 " "        |

### *Second Term only.*

- |   |              |
|---|--------------|
| 19. Textual Problems (New Testament)... | 1 hr. a week |
|---|--------------|

## UNIVERSITY ELECTIVES

### OPEN TO ALL CLASSES IN THE DIVINITY SCHOOL

The Graduate Courses of Instruction in the University are open to the students of the Divinity School without charge, on conditions prescribed by the Theological Faculty. Undergraduate courses in the University are also open to students of the Divinity School with the consent of the instructor in each case and likewise under conditions prescribed by the Theological Faculty.

## SUBSIDIARY MEANS OF INSTRUCTION

### LIBRARIES

The UNIVERSITY LIBRARY contains about 280,000 volumes and many thousands of unbound pamphlets. Of current periodical publications, including publications of learned societies, not less than one thousand are received, about one-half of which are foreign. The Library is particularly strong in Theology. It is open daily, except Sundays, from 9 A. M. to 5 P. M.; the reference library and reading-room is open until 9 P. M.

The LINONIAN AND BROTHERS LIBRARY, occupying the south wing of the old Library building, contains about 23,500 volumes in general literature. To these Libraries the Divinity students, in common with the other members of the University, have access.

In addition to the periodicals received at the University Library, there will be found in the Reading-Room (in the north wing) nearly two hundred newspapers and current periodicals.

The REFERENCE LIBRARY OF THE DIVINITY SCHOOL, established by the late Henry Trowbridge, Esq., of New Haven, and placed in the Leonard Bacon Memorial Hall, is open for consultation throughout the day and evening. It contains about 4,000 carefully selected volumes, in every department of theological literature, and additions are constantly being made. It is designed to take the place, for each student, of a large and well selected private library.

The valuable LIBRARY OF CHURCH MUSIC belonging to the late Dr. Lowell Mason was given to the Divinity School by his family. This library, which contains about 8,000 titles in 4,000 volumes, is placed in the Lowell Mason Room in West Divinity Hall.

The HISTORICAL LIBRARY OF FOREIGN MISSIONS, designed to furnish the latest and fullest missionary intelligence and also the means for the most thorough historical research, numbers nearly 7,000 volumes, including pamphlets. It is

now an almost complete collection of the entire body of the Foreign Mission Literature of Europe and America, and with this comprehensive character has become one of the two largest special libraries of the kind in the world, the other being located in Denmark. Its five printed catalogues, issued at intervals from 1892 to 1899, have been placed by request in the libraries of the principal Universities, Colleges and Theological Schools in the United States and may there be consulted.

The REFERENCE LIBRARY OF BIBLICAL LITERATURE of the Department of Semitic Languages and Biblical Literature in the University is available to members of the Divinity School. The library room is conveniently situated in Fayerweather Hall, adjacent to West Divinity Hall.

The SALISBURY COLLECTION of Oriental manuscripts, books and works of reference, the library of the American Oriental Society, the collection of rare and valuable Arabic manuscripts, made by Count Landberg, acquired recently for Yale University through the munificence of Morris K. Jesup, Esq., of New York City, and the well-stocked Semitic sections of the general Library furnish exceptional advantages and opportunities for independent research to the student of Semitic literature.

#### DIVINITY SCHOOL LECTURESHIPS

The LYMAN BEECHER LECTURESHIP on Preaching (or other topic appropriate to the work of the ministry) was founded in 1871 by a gift of \$10,000 from Mr. Henry W. Sage, then of Brooklyn, N. Y., as a memorial to the great divine whose name it bears. It is filled by some minister or layman of eminence appointed annually by the President and Fellows of the University. The lectureship is of unique importance in the field of practical theology, as evidenced by the series of lectures published in successive volumes. Among the incumbents of the lectureship may be mentioned Henry Ward Beecher, 1871, Phillips Brooks,

1876, Robert W. Dale, 1877, Washington Gladden, 1886 and 1902, James Stalker, 1890, A. M. Fairbairn, 1891, R. F. Horton, 1892, John Watson (Ian McLaren), 1896, and George Adam Smith, 1898.

The NATHANIEL WILLIAM TAYLOR LECTURESHIP in Theology was created in 1902 by the gift of \$5,000 from Mrs. Rebecca Taylor Hatch, of Brooklyn, N. Y., in memory of her father, professor of divinity in this institution from 1822 to 1858. The income of the fund will be annually expended for a series of lectures on some theme in Doctrinal Theology.

#### AMERICAN LECTURES ON THE HISTORY OF RELIGIONS

Yale University is a member of the Association of various institutions for the establishment of popular courses, of six or eight lectures each, in the history of Religions, somewhat after the style of the Hibbert lectures in England, to be delivered annually in various cities by the best scholars of Europe and this country.

The next course of lectures on this foundation will be given in February, 1903, by Professor Friedrich Delitzsch, Ph.D., D.D., of the University of Berlin, on the subject "The Religion of Babylonia and Assyria."

#### CLUBS

A number of voluntary associations of instructors and students exist in the University, whose meetings for the reading and discussion of papers are open to all students. Membership in these clubs is open to those who are qualified. Of special interest to divinity students are the SEMITIC AND BIBLICAL CLUB, and the BIBLICAL RESEARCH CLUB.

The SEMITIC AND BIBLICAL CLUB is composed of instructors and students in the Department of Semitic Languages and Biblical Literature in the University and in the Divinity School. It meets every two weeks for the reading and discussion of papers by professors and students.

The BIBLICAL RESEARCH CLUB is composed of undergraduates of the University and pursues a more popular type of work than the last mentioned club. For the current year it is investigating the History of the English Bible. Divinity students are free to attend its sessions.

### EXERCISES IN PUBLIC SPEAKING

A rhetorical exercise for all the classes is held every Wednesday, in Marquand Chapel, in the presence of the Faculty, and under their direction. Once in two weeks an address is delivered, followed by criticism and discussion. Each alternate week there is an exercise, designed for the cultivation of the power of the students in extemporaneous speaking, as well as for the discussion of subjects of practical importance.

These biweekly debates are held under the auspices of the LEONARD BACON DEBATING CLUB, which is designed to promote interest in important public questions and the effective discussion of them. All members of the Divinity School who are interested in public debate are eligible to membership. Occasional addresses are given before the club by prominent men on subjects germane to its purpose.

## RELIGIOUS AND SOCIAL PRIVILEGES

### PUBLIC WORSHIP

There is daily morning worship in MARQUAND CHAPEL. On Fridays a brief address is given by a member of the Faculty or by a friend of the School.

A general prayer meeting of the Divinity School, led alternately by a member of the Divinity Faculty and by a student, is held on Thursday evenings in Marquand Chapel.

On the Lord's day students attend worship in the University Chapel, where many of the most distinguished preachers may be heard, or in any of the city churches.

### YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of the Divinity School has for its object to deepen the spiritual life of the students, to increase their interest in missions, and to bring them into fellowship with similar associations throughout the world. Occasional addresses are given by persons especially engaged in, and familiar with, missionary work. Deputation work, in the interest of foreign missions, is carried on by students among churches in adjacent counties of Connecticut.

### SOCIAL LIFE

The Lowell Mason Library Room, in West Divinity Hall, is furnished as a Social Room, and serves as a center for the common life of the students. It contains magazines and daily papers, a piano, and other means of recreation.

### PHYSICAL EXERCISE

The University Gymnasium, which is complete in all its appointments, is open to the students of this Department at a small charge. The Yale Field is available for baseball and football. Students of the Divinity School are eligible for Yale Athletic teams after having completed one year of study in the University.

Within the Divinity School enclosure are tennis courts carefully graded and well maintained, with reasonable space for other out-of-door recreation.

### INFIRMARY

The Yale Infirmary is open in case of sickness to students of all departments of the University, affording the best medical attendance and nursing at a minimum cost.



## ROOMS AND EXPENSES

### BUILDINGS

The buildings of the Divinity School are East and West Divinity Halls, which contain furnished rooms for students; Marquand Chapel, and the Leonard Bacon Memorial Hall, containing the Trowbridge Reference Library.

### ASSIGNMENT OF ROOMS

The buildings will be accessible on Monday of the opening week of the Fall term (September 22, 1902), and temporary accommodations will be provided for new students whose applications have been received. The assignment of permanent rooms to new students is made on Wednesday, the day before that on which the term opens, at 2 o'clock P. M., in the Lowell Mason Room. The rooms, to which bedrooms are attached, are designed, for the most part, for one occupant, but a considerable number for two. They are provided with all necessary furniture, except bed-clothes, which may be brought by the occupants, or will be furnished at a moderate charge. Questions regarding location of rooms, disposal of baggage, furniture, bedding, and the like, should be addressed to the Superintendent of the Divinity Buildings, Mr. Ernest F. Hill, East Divinity Hall.

### EXPENSES

The expenses of each student for the annual session of thirty-four weeks are \$5 for incidentals, \$10 for care of room, and approximately \$25 for heat and gas, or one-half of the latter sum in cases where two students occupy the same room. No charge is at present made for tuition or the use of libraries.

The new University Dining Hall furnishes board at cost (approximating \$4.25 per week). A bond of \$500 is required by the Treasurer of the University for each student admitted to the Hall, and the price of board is charged on the regular term-bill. Board may be obtained at private eating-clubs in the city at \$3.00 and \$3.50 per week.

The expenses of a student for the school year, exclusive of clothing and sundries, may be estimated as follows :

Incidentals .....	\$ 5.00
Care of room .....	10.00
Heat and gas .....	12.50 to 25.00
Board, 34 weeks .....	102.00 to 136.00
Rent of bedding .....	1.50
Laundry .....	18.00
Text-books and stationery .....	20.00 to 50.00
Gymnasium, tennis-courts, etc. ....	5.00 to 10.00
Subscriptions .....	5.00
<hr/>	
Total .....	\$179.00 to \$260.50

## SCHOLARSHIPS AND PRIZES

### OPPORTUNITIES FOR SELF-HELP

The long summer vacation is designed to enable students to engage in preaching under the Home Missionary societies, or in other remunerative employment.

During the latter part of the course, a portion of the students receive remuneration for preaching in places easily accessible. Such opportunities are increased by grants from the EVEREST FUND, established by Dr. and Mrs. Solomon Everest, of Canton, Connecticut, and administered by the Missionary Society of Connecticut. About \$350 is annually appropriated from this Fund, on recommendation of the Faculty, to students of the Yale Divinity School, for work in mission churches in Connecticut.

The DIVINITY BOOK ROOM is a coöperative association to enable students to purchase books at net rates. The Manager, who receives a commission on sales, is elected annually by the student body. The Manager of the Social Room is paid the equivalent of the expenses for his room. In the management or service of eating clubs, a certain number of students find opportunities for earning all or part of the price of board.

Payment is made by the Faculty for playing and blowing the Chapel organ, for singing in the Chapel quartette, for the care of the Library, and, in certain cases, for work in library cataloguing, correcting examination papers, etc. Further opportunities of employment may be found through the University Bureau of Self-Help, conducted by Rev. C. L. Kitchel, Phelps Hall.

### GENERAL SCHOLARSHIPS

General scholarship funds have been given to the Divinity School by various donors, to enable students who give promise of usefulness to prepare for the Christian ministry, in cases where without such assistance they are unable to do so. By cultivating the spirit of independence, and, at the same time, promoting the practical efficiency of students for the Christian ministry, the intention of the donors will be best fulfilled. Scholarship aid is therefore considered not as a gift, but as a means of livelihood obtained by a definite amount of religious work, under competent supervision. The funds are used to create opportunities for employment in New Haven and vicinity, through which the students may receive training in strictly pastoral work. At the same time it is designed to make the students an efficient force in the religious life of the city.

Students of the undergraduate classes, whose circumstances require it, may make application for scholarship employment, at the beginning of the year. Testimonials are required from new students, as already specified (p. 400). After personal consultation, each man, whose application is approved, is assigned to work under one of the pastors or mission workers of the city. The assignment and general supervision are in charge of the Dean. In consideration for the service received, the pastor or mission worker agrees to give to the student working under him direct supervision and the

benefit of his experience. The average amount of time required is six hours per week. The usual remuneration is \$100 per year, payable in semi-annual installments. In cases where the quantity or quality of the work falls conspicuously above or below the standard, the remuneration will be graded accordingly. Regular reports are required from both students and pastors at the end of each term, and payments are made as soon as the work of the student has been pronounced satisfactory.

As one object of the system is to supplement the work of the Department of Practical Theology, only those employments are selected which involve personal contact with the cases and types which a future pastor is likely to meet, and a study of the personal and parish problems with which he will be confronted. Teaching and public speaking are placed in the background, to leave room for some form of visiting under the guidance of a mature worker. In most cases the student is given a small parish of a few families, for whose religious growth he is largely responsible. Inexperienced students are in general assigned to some form of mission work, while those who have received this preliminary training have the fuller opportunity of gaining, as pastors' assistants, some knowledge of the workings of a large city parish.

New Haven, with its population of 120,000, offers a large and varied clinical field. It contains seventeen Congregational churches, and strong churches of all denominations. The mission field includes the well organized City Missions, Welcome Hall with its institutional features, Lowell House Settlement in the midst of a large foreign population, the New Haven Hospital, where six students serve as chaplains, the Jail, where work is done for discharged men in connection with the Calvary Industrial Home, the Alms House, clubs for street boys and working men, and the large city Young Men's Christian Association. As the demand for workers greatly exceeds the supply, the Director is able to exercise considerable selection in the choice of opportunities for work.

Students whose circumstances do not require scholarship aid, but who desire to have the benefit of the practical training which the system gives, may volunteer for similar work, with the same privilege of mature supervision.

#### LOAN FUND

In certain cases, meritorious students who need pecuniary aid, but are deterred for good reasons from making return through services of the kind referred to, may receive assistance in the form of a loan for a term of years, at a nominal rate of interest and payable in installments.

#### EDUCATION SOCIETY GRANTS

Students intending to enter the Congregational ministry, whose circumstances require it, may receive \$50 per year, as a grant or loan, from the Congregational Education Society. This aid is conditioned upon good scholarship and high general merit, and requires an examination and certificate by a local member of the Society.

#### PRIZE SCHOLARSHIPS

A limited number of prize scholarships of \$100 and \$50 each, the former known as the FOGG and the latter as the ALLIS SCHOLARSHIPS, are awarded, on the basis of high scholarship, in semi-annual installments, to members of the several classes. Candidates for the Fogg Prize Scholarships of the Junior year are required to pass an examination in Greek, Philosophy, and English Literature (in addition Hebrew, History and Economics may also be offered), on entering the Divinity School, or as may be otherwise arranged with the Dean. The first half of the Fogg Scholarship will be awarded on the basis of this examination. Testimonials and other evidence of previous scholarship will have weight in determining the award. The grade of scholarship required is that of the Philosophical

Oration at Yale, which represents an average standing of 82½ per cent. The maintenance of the same grade is necessary in order to retain these scholarships during the remainder of the course. A corresponding entrance examination in theological studies equivalent to those of the first or second year is required of candidates for these scholarships who enter the Middle or Senior class as new students.

The Allis Scholarships of \$50 each stand in the relation of second prizes to the Fogg Scholarships, but may be awarded at the end of each half-year without entrance examination.

Young men of superior ability and attainments, whose circumstances require it, may thus, through the general and prize scholarships, receive two hundred dollars a year throughout their Divinity course.

Honorary rank is in all cases given to students who are equal in merit to the holders of the Fogg and Allis Scholarships, but whose circumstances are such that they do not require pecuniary assistance.

#### PREMIUMS

The DOWNES PRIZES, founded in 1896 by William E. Downes, Esq., of New Haven, will be awarded to the students of the Senior and Middle classes who shall attain to the highest proficiency in the public reading of the Scriptures and of Hymns. A first prize of fifty dollars and a second prize of forty dollars will be assigned by a committee appointed by the Faculty to the two successful competitors in each of these classes.

Preliminary competitions are held during the year, the winners themselves competing for the prizes mentioned on the Tuesday preceding the Divinity Commencement.

The JOHN A. PORTER UNIVERSITY PRIZE, of the value of \$250, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Competing essays must be handed in after the close

of the Spring Recess, and the awards will be announced on Commencement Day. Any person who has been pursuing a regular course for a degree in any department of the University during the whole of the current year, may compete for this prize. If none of the competing essays is of sufficient merit, the prize will not be awarded.

#### GRADUATE FELLOWSHIPS

A GRADUATE FELLOWSHIP was established in 1876, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It is assigned at graduation to that member of the class to which it is offered, who, having been connected with the School during, at least, two years of the course, and being of approved Christian character, has, in the judgment of the Faculty, acquired such proficiency in theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income (\$600) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the School, or, in case he may prefer to do so, in Europe or Palestine. The HOOKER FELLOWSHIP is offered to the classes graduating from the Divinity School in 1903 and in 1905.

A SIMILAR GRADUATE FELLOWSHIP yielding \$500, which has been established as a memorial of the late Mrs. Susan B. Dwight, of New Haven, and will afford to the student who shall receive it the same privileges for one year after graduation, is offered on the same conditions to the classes graduating from the Divinity School in 1902 and 1904.

The Yale Divinity School is a contributor to the schools of the American Institute of Archaeology at Rome and Jerusalem. No examinations are required for the graduates of contributing institutions. A fellowship in each school is annually assigned, on the basis of competitive examination.

## GRADUATE SCHOLARSHIPS

Scholarship aid for the pursuit of fourth year studies in the Graduate class will, at the discretion of the Faculty, be offered to such members of the Senior class of this School, and to such graduates of other theological schools as shall, in the judgment of the Faculty, give promise of special success in advanced theological study. Some equivalent service is required.



# DEPARTMENT OF MEDICINE

## (YALE MEDICAL SCHOOL)

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### FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

HERBERT EUGENE SMITH, M.D., *Dean of the Medical School, and  
Professor of Chemistry*

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CHARLES AUGUSTUS LINDSLEY, M.D., *Professor of the Theory and  
Practice of Medicine, Emeritus, and Lecturer on Sanitary Science*

WILLIAM HENRY CARMALT, M.D., *Professor of the Principles and  
Practice of Surgery*

THOMAS HUBBARD RUSSELL, M.D., *Professor of Clinical Surgery, and  
Lecturer on Surgical Anatomy*

RUSSELL HENRY CHITTENDEN, PH.D., *Professor of Physiology*

JOHN SLADE ELY, M.D., *Professor of the Theory and Practice of  
Medicine*

OLIVER THOMAS OSBORNE, M.D., *Professor of Materia Medica and  
Therapeutics*

HENRY LAWRENCE SWAIN, M.D., *Clinical Professor of Laryngology  
and Otology*

ARTHUR NATHANIEL ALLING, M.D., *Clinical Professor of Ophthalmology*

HARRY BURR FERRIS, M.D., *Professor of Anatomy*

OTTO GUSTAF RAMSAY, M.D., *Professor of Obstetrics and Gynecology*

RALPH AUGUSTINE McDONNELL, M.D., *Clinical Professor of Derma-  
tology*

CHARLES JOSEPH BARTLETT, M.D., *Professor of Pathology*

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FRANCIS BACON, M.D., *Lecturer on Medical Jurisprudence*

SAMUEL BENEDICT ST. JOHN, M.D., *Lecturer on Ophthalmology*

GEORGE RUBENS SHEPHERD, M.D., *Lecturer on Life Insurance Exami-  
nations*

MAX MAILHOUSE, M.D., *Clinical Lecturer on Neurology*

LOUIS BENNETT BISHOP, M.D., *Instructor in Pediatrics*

LEONARD WOOLSEY BACON, JR., M.D., *Instructor in Operative Surgery*

CHARLES DICKINSON PHELPS, M.D., *Instructor in Physical Diagnosis*

FREDERICK STEARNS HOLLIS, PH.D., *Instructor in Chemistry*

ROBERT ELLSWORTH PECK, M.D., *Instructor in Neurology*

WARREN ALPHONSO SPALDING, *Demonstrator of Pharmacy*

WILLIAM SPRENGER, M.D., *Instructor in the Uses of X Rays*

ERNST HERMAN ARNOLD, M.D., *Instructor in Orthopaedic Surgery*

ALLEN ROSS DEFENDORF, M.D., *Lecturer on Psychiatry*

YANDELL HENDERSON, PH.D., *Instructor in Physiology*

THOMAS GEORGE SLOAN, M.D., *Instructor in Anaesthesia, and First Assistant in the Surgical Clinic*

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EDWARD MICHAEL MCCABE, M.D., *Clinical Assistant in Ophthalmology*

RALPH SCHUYLER GOODWIN, JR., M.D., *Clinical Assistant in Pediatrics*

WILLIAM MATTHEW KENNA, M.D., *Assistant in Neurology*

LEONARD CUTLER SANFORD, M.D., *Assistant in the Surgical Clinic*

FREDERICK COURTNEY BISHOP, M.D., *Clinical Assistant in Laryngology and Otology*

HENRY FREDERICK KLENKE, M.D., *Clinical Assistant in Dermatology*

WILLIAM JOSEPH SHEEHAN, M.D., *Assistant in the Surgical Clinic*

SAMUEL MOWBRAY HAMMOND, M.D., *First Assistant in the Therapeutic Clinic*

ALFRED GOLDSTEIN NADLER, M.D., *Clinical Assistant in Pediatrics*

FREDERICK NOYES SPERRY, M.D., *Demonstrator of Anatomy, and Clinical Assistant in Laryngology and Otology*

WILLARD GIBBS VANNAME, PH.D., *Assistant in Histology*

WILLIAM FRANCIS VERDI, M.D., *Assistant in Gynecology*

HARRY LITTLE WELCH, M.D., *Assistant in Gynecology*

WILLIAM SAMUEL BARNES, M.D., *Second Assistant in the Therapeutic Clinic*

WILLIS HANFORD CROWE, M.D., *Clinical Assistant in Ophthalmology*

PAUL BERNARD KENNEDY, M.D., *Third Assistant in the Therapeutic Clinic*

CLARENCE LEISHMAN KILBOURN, M.D., *Assistant in Histology*

PERCY DUNCAN LITTLEJOHN, M.D., *Assistant in the Medical Clinic*

EDWARD FRANCIS MCINTOSH, M.D., *Assistant in the Medical Clinic*

FRANCIS HENRY REILLY, M.D., *Assistant in the Surgical Clinic*

WILLIAM NELSON WINNE, M.D., *Clinical Assistant in Pediatrics*

FRANCIS PATRICK HEERY, M.D., *Assistant in the Medical Clinic*

THOMAS VINCENT HYNES, M.D., *Assistant in Obstetrics*

ARTHUR POTTER KNIGHT, PH.B., *Assistant in Chemistry*

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In the fall of 1810 a charter was granted to the President and Fellows of Yale College and the President and Fellows of the Connecticut Medical Society, authorizing them to unite according to the terms of certain "Articles of Union," before agreed upon, for the establishment of a medical seminary, to be styled the Medical Institution of Yale College. Two years later the School was organized, and in the fall of 1813 instruction was begun. The professors of the Faculty were appointed by the College Corporation from nominations by the Medical Society. Degrees were conferred by the College on the recommendation of the board of examiners, consisting of the members of the Faculty and an equal number appointed by the Medical Society. This dual government continued until 1884, when by an amicable arrangement with the Medical Society, the College authorities assumed entire control of the School.

The Medical School now constitutes the Medical Department of the University, and is governed by the Professors of the Faculty of Medicine under the authority of the President and Fellows of the University.

In the early years the instruction consisted of didactic and clinical lectures and dissections during a short winter course. As time passed, changes in the relations between practitioners and students' of medicine, and even greater changes in medicine itself, demanded a different kind of instruction, and the course was altered to meet the varying conditions. In 1879 there had been established a graded course, extending through three years of eight months each and including considerable laboratory instruction. In

1896 the extension of the course to four years permitted the more complete and satisfactory grading of the studies which is presented in the curriculum now in force.

### BUILDINGS AND EQUIPMENT

The School owns and occupies three buildings, Medical Hall, the Laboratory Building and the new University Clinic.

MEDICAL HALL contains the general lecture rooms, the museum, and laboratories of anatomy, histology, pathology, and bacteriology. The lecture rooms are provided with modern electric projection lanterns, and in other ways are well equipped for the lectures and recitations held in them. The laboratories are equipped with the necessary number of modern microscopes as well as with complete outfits for bacteriological research, and for the study of blood, sputum, and other objects of clinical interest. The collections of anatomy, pathology, and materia medica supply material for the class-room demonstrations, and for individual study by students in the laboratories.

The LABORATORY BUILDING contains the lecture rooms and laboratories of physiology and chemistry. The lecture rooms are well equipped for the special work carried on in them, and the laboratories are abundantly supplied with apparatus and materials for the class work as well as for research.

The UNIVERSITY CLINIC was erected and equipped by the University at a cost of about \$100,000 and was occupied for instruction at the opening of the present academic year. It is opposite the New Haven Hospital, and is a three-story building admirably arranged and fully equipped for the work carried on in it. The greater part of the first and second stories is occupied by the New Haven Dispensary. This portion consists of two large waiting rooms, and twenty-five consulting, examining, and operating

rooms which are equipped for the special requirements of the different clinics. In the third story is a comfortably furnished dormitory for the use of students attending the out-patient obstetrical service. The building also contains an amphitheatre and lecture room for general and clinical lectures in the practical branches.

#### CLINICAL AND LIBRARY FACILITIES

The NEW HAVEN HOSPITAL, with a capacity of about 170 beds, is situated but a short distance from the Medical School buildings and offers abundant opportunity for clinical instruction. The service is an active one, as the Hospital is the principal one in the city, which is a large manufacturing and railroad center. The Farnam Operating Theatre is modern in all its equipments, and was planned with special reference to making the operations available for purposes of instruction to students. A Clinical Amphitheatre has been added recently to the Hospital for the better accommodation of the medical clinics and affords the best facilities for the demonstration of cases, and of special methods of examination. The Maternity Building, which has been completed recently, is closely connected with the other hospital buildings and affords the most modern appliances for the obstetrical service.

The NEW HAVEN DISPENSARY occupies a part of the University Clinic. The service consists of more than 17,000 consultations annually, and furnishes ample clinical facilities for the demonstration of disease processes, and is especially valuable in giving students an opportunity to see the ambulant types of disease. The service is divided into the following departments: Internal medicine; surgery; orthopaedic surgery; ophthalmology; laryngology, otology and rhinology; neurology; gynecology and obstetrics, including an out-patient department; pediatrics; dermatology, and the X-Ray Laboratory. Besides the general clinics which are held in all of these departments, the Dis-

pensary furnishes abundant material for the classes in physical diagnosis, and numerous courses of demonstrations to small groups of students. The Seniors participate in the regular work of all the clinics, to which they are appointed as assistants in rotation.

The STATE HOSPITAL FOR THE INSANE, situated at Middletown, accommodates about 2000 patients. By a recent arrangement the instruction in psychiatry will be combined with clinics at this Hospital. The large number of patients give ample facilities for the demonstration for all forms of insanity, and allied ailments.

The SPRANGSIDE HOSPITAL, which is connected with the City Almshouse, affords a valuable opportunity for clinical demonstrations, especially in the diseases of advanced life.

The LIBRARIES—The University Library contains 280,000 volumes and includes the Medical Library. The University subscribes annually for the most important of the French, German, English and American journals. The Medical Library is an important part of the facilities of this School, as it gives the student ample opportunity of working in special lines. Medical students have the same privileges of consulting and drawing books as students in the other departments of the University. A small circulating library of recent medical books is maintained in the alumni room in Medical Hall by the editors of the Yale Medical Journal.

The GYMNASIUM—The privileges of the University Gymnasium can be had on payment of the fee of \$5.00 annually.

#### REQUIREMENTS FOR MATRICULATION

Candidates for admission to the First year of the course leading to the degree of Doctor of Medicine must present satisfactory testimonials of moral character from former instructors or physicians in good standing, and must qualify in the educational requirements as stated below.

Candidates who have received a degree in Arts or Science are admitted on presentation of their diplomas.

Candidates who are graduates of approved high schools, academies and preparatory schools, and those who have been admitted to approved colleges, may be admitted on certificates, blank forms for which may be obtained from the Dean. The certificates must cover the required subjects, Nos. 1, 2, 4, 27 and 31, of the list of subjects of examination given below and amounting to  $5\frac{1}{2}$  units, and also a sufficient number of electives to amount to at least  $9\frac{1}{2}$  units, thus completing the required total of 15 units.

All other candidates must pass satisfactory examinations in the required subjects, Nos. 1, 2, 4, 27 and 31, and must also qualify by examination, or by approved certificates, in a sufficient number of electives to amount to at least  $9\frac{1}{2}$  units, thus completing the required total of 15 units.

### SUBJECTS OF EXAMINATION

NOTE—The subjects marked \* are designated as *required subjects* and the others as *electives*. Each unit is intended to represent about 150 hours of class work.

#### ENGLISH.

- \*1. The principles of Rhetoric : To the extent given in Hill's *Principles of Rhetoric*, . . . . . 1 unit
- \*2. Readings : A good knowledge of the lives of the authors, the subject matter, form and construction, is required. The examination for the years 1903, '04 and '05 will be on the following works : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison* . . . . . 1 unit

NOTE.—Equivalent readings may be offered by the candidate.

- 3. History of English Literature, . . . . . 1 unit

#### LATIN.

- \*4. Latin Grammar and simple translations, . . . . . 1 unit
- 5. Caesar, books I-IV, . . . . . 1 unit
- 6. Vergil's Aeneid, books I-VI, . . . . . 1 unit
- 7. " Eclogues, . . . . .  $\frac{1}{2}$  unit
- 8. Ovid—Metamorphoses 1500 lines, . . . . .  $\frac{1}{2}$  unit
- 9. Cicero—The four orations against Catiline and for Archias and the *Manilian Law*, . . . . . 1 unit
- 10. Prose Composition, . . . . .  $\frac{1}{2}$  unit

## GREEK.

11. Greek grammar and simple translations,	.	.	1 unit
12. Xenophon—Anabasis, books I-IV,	.	.	1 unit
13. Homer—Iliad, books I-III,	.	.	1 unit
14. Prose Composition,	.	.	$\frac{1}{2}$ unit

## HISTORY.

15. Greek history to the death of Alexander the Great,	.	$\frac{1}{2}$ unit
16. Roman history to the death of Augustus,	.	$\frac{1}{2}$ unit
17. English history,	.	$\frac{1}{2}$ unit
18. United States history,	.	1 unit
19. General history,	.	1 unit

## MODERN LANGUAGES.

20. French grammar and simple translations,	.	1 unit
21. Sight translation of easy French prose,	.	1 unit
23. Sight translation of advanced French,	.	1 unit
24. German grammar and simple translations,	.	1 unit
25. Sight translation of easy German prose,	.	1 unit
26. Sight translation of advanced German,	.	1 unit

## MATHEMATICS.

*27. Algebra and the Metric System of Weights and Measures,	$1\frac{1}{2}$ units
28. Plane Geometry,	1 unit
29. Solid Geometry,	1 unit
30. Plane Trigonometry and Logarithms,	$\frac{1}{2}$ unit

## SCIENCES.

*31. Physics,	1 unit
32. Chemistry,	1 unit
33. Botany,	1 unit
34. Zoology,	1 unit
35. General Biology,	1 unit
36. Astronomy,	$\frac{1}{2}$ unit
37. Geology,	$\frac{1}{2}$ unit
38. Physical Geography,	$\frac{1}{2}$ unit
39. Physiology,	$\frac{1}{2}$ unit

The matriculation examinations are held at the Medical School, beginning at 9 A. M., on the Thursday following Commencement, and on the Monday preceding the opening of the first term; also, for those conditioned in previous examinations, on the Tuesday preceding the opening of the second term in January.



Candidates may also be examined in June in some thirty other places where examinations are regularly held for admission to other departments of the University, on the Thursday following Commencement. Information concerning the time and place of these examinations may be ascertained by applying to the Dean three weeks in advance. A fee of five dollars is charged for admission to examinations held out of New Haven.

#### ADMISSION TO ADVANCED STANDING

Students who have studied one year in some other recognized institution may be admitted to the Second year class, and those who have studied two years may be admitted to the Junior class, but students are not received from other schools into the Senior class. Students applying for advanced standing must have pursued studies reasonably equivalent to those already pursued by the class to which they seek admission, and must pass the examinations of the First year for admission to the Second year class, and of the First and Second years for admission to the Junior class. These examinations may be taken in June with the class by applying to the Dean at least four weeks before Commencement, or they may be taken at the time of the autumn examinations, just before the beginning of the School year in September. Graduates in Arts, Philosophy, or Science, who have pursued studies in chemistry, physiology, anatomy, or histology during their undergraduate courses may receive credit for such work as is the equivalent of the courses in these studies in the First year, and may fill out the number of hours required of First year students by pursuing certain advanced studies with the Second year class, or by pursuing studies chosen from a liberal list of electives.

#### TERMS AND VACATIONS

The annual sessions of the School are divided into three terms, covering thirty-five weeks, exclusive of a vacation of three weeks at Christmas and a recess of one week at Easter.

The first term begins with the last Thursday in September, and continues twelve weeks. The second term begins on the Wednesday after the first Thursday in January, and continues eleven weeks. The third term is twelve weeks in length, ending with Commencement. (See Calendar.)

### METHODS OF INSTRUCTION

The instruction in this School is conducted by recitations and lectures in the class-room, and by practical work in the laboratories and clinics.

The class-room work of the first and second years is chiefly by recitations from assigned readings, with which are combined frequent demonstrations and explanatory lectures. In the third and fourth years, lectures are more employed, but the instruction is still based for the most part on assigned readings in text-books.

The curriculum of the first two years contains a very large proportion of laboratory work which extends to the third and fourth years, but is largely replaced in the latter period by personal clinical work. The laboratories are thoroughly equipped for systematic and accurate work, and such work is exacted from the student. In the clinical instruction less dependence is placed upon formal clinical lectures, and more upon personal instruction to small classes, and to individual students.

Advancement from one class to the next depends not only on the results of examinations but also on the records of the student's daily work.

### THE CURRICULUM

The curriculum of this School is graded to furnish in four years a systematic presentation of the various subjects of medical study. When a subject is pursued two years the course is a progressive one, in which the work of the second year is not a repetition of that of the first.

The arrangement of the curriculum is such that the student spends the first and second years on the funda-

mental branches, chemistry, physiology, anatomy, histology, pathology, and materia medica.

The third year he devotes chiefly to a systematic study of medicine, surgery, obstetrics, and pharmacology.

In the first part of the Senior year he continues the study of medicine and surgery and has a systematic presentation of the chief specialties in a series of recitations and lectures, combined with general clinics on these topics. The latter part of this year is spent chiefly in clinical work.

### SYNOPSIS OF THE CURRICULUM

*N. B. The number of hours are hours per week.*

#### FIRST YEAR

**ANATOMY** — *Recitations, lectures, and demonstrations*, Osteology, Arthrology, Myology, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

**HISTOLOGY** — *Recitations and illustrated lectures*, 1 hour first and second term, Prof. Ferris. *Laboratory*, Microscopical technique and histology of normal tissues, 4 hours first and second terms, Prof. Ferris, Dr. VanName and Dr. Kilbourn.

**EMBRYOLOGY** — *Recitations and lectures*, 2 hours third term, Prof. Ferris. *Laboratory*, Embryology, 4 hours third term, Prof. Ferris, Dr. VanName and Dr. Kilbourn.

**PHYSIOLOGY**—*Recitations and experimental demonstrations*. An elementary course, 2 hours throughout the year, Dr. Henderson.

**GENERAL CHEMISTRY**—*Recitations and experimental demonstrations*. The elements and their compounds, 4 hours first term, Prof. Smith and Dr. Hollis. *Analytical Chemistry, Class-room*, 1 hour first term, Dr. Hollis. *Laboratory*, 12 hours first term, 6 hours half of second term, Dr. Hollis and Mr. Knight. *Organic Chemistry, Recitations*, Constitution and properties of organic compounds, 2 hours second and third terms, Dr. Hollis.

**PHYSIOLOGICAL CHEMISTRY**—*Recitations and lectures*, The proximate principles, tissues and secretions, 2 hours second and third terms, Dr. Hollis. *Laboratory*, 6 hours second term, 9 hours third term, Dr. Hollis.

**ANNUAL EXAMINATIONS**—(1) General Chemistry, including a laboratory examination at the end of first term. (2) Physiological Chemistry. (3) Histology and Embryology. (4) Anatomy. (5) Physiology.

## SECOND YEAR

**ANATOMY**—Continued. *Recitations and demonstrations*, Angeiology, Neurology, Splanchnology, Topographical Anatomy, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours first or second term, Prof. Ferris, Dr. Sperry and Assistant Demonstrators.

**PHYSIOLOGY**—Finished. *Lectures and recitations*, 3 hours first term, Prof. Chittenden; 3 hours second and third terms, Prof. Chittenden and Dr. Henderson. *Experimental demonstrations*, 4 hours first and second terms, Dr. Henderson.

**PHARMACY AND MATERIA MEDICA**—*Demonstration* of pharmaceutical methods, 12 hours second term, Mr. Spalding. *Recitations and demonstrations*, Classification of drugs, therapeutic appliances, prescription writing, 2 hours third term, Prof. Osborne.

**PHARMACOLOGY**—*Laboratory*, Experimental demonstrations of the methods of studying the action of drugs, 4 hours second term, Dr. Henderson. *Lectures with demonstrations* in toxicology 20 lectures, third term, Prof. Chittenden.

**PATHOLOGY**—*Recitations and demonstrations*, General and special Pathology, 1 hour first term, 3 hours second and third terms, Prof. Bartlett. *Laboratory*, Histology of morbid tissues, 2 hours first term, 6 hours second and third terms, Prof. Bartlett and assistants.

**BACTERIOLOGY**—*Recitations*, 2 hours first term, Prof. Bartlett. *Laboratory*, Technique, preparation of media, pure cultures, etc., 6 hours first term, Prof. Bartlett and assistants.

**MEDICINE**—*Lectures*, Symptomatology, 2 hours third term, Prof. Ely.

**EXAMINATIONS**—(1) Anatomy. (2) Physiology. (3) Materia Medica. (4) Pathology.

## JUNIOR YEAR

**PHARMACOLOGY**—Finished. *Recitations and lectures*, Action and application of drugs, 3 hours first and second terms, Prof. Osborne.

**THERAPEUTICS**—*Lectures*, History of Medicine, physical therapy, climatology, diatetics, 1 hour third term, Prof. Osborne.

**PATHOLOGY**—*Laboratory*, Study of special topics and autopsies, 2 hours first and second terms, Prof. Bartlett.

**MEDICINE**—*Recitations and lectures*, 3 hours throughout the year, Prof. Ely. *Clinics*, General medical, 3 hours, New Haven Hospital, Prof. Ely; 1 hour, University Clinic, Dr. Phelps. *Laboratory*, Clinical microscopy, 2 hours second half of year, Prof. Ely. *Physical Diagnosis*, Systematic practical study of physical signs and methods of examination, 2 hours half year, in sections, Dr. Phelps.

**SURGERY**—*Lectures*, General surgery, 2 hours first term, 3 hours second and third terms, Prof. Carmalt. *Bandaging*. Practical work in sections, 1 hour third term, Dr. Leonard Bacon. *Surgical Anatomy*.

*Lectures*, 1 hour second term, Prof. Russell. *Clinics*, General surgical, 2 hours throughout the year, at the University Clinic, Prof. Carmalt; 3 hours throughout the year at the New Haven Hospital, Prof. Carmalt and Prof. Russell.

OBSTETRICS—*Recitations and lectures*, 2 hours throughout the year, Prof. Ramsay. *Demonstrations* with the manikin, mechanism of labor, Prof. Ramsay.

GYNECOLOGY—*Recitations*, 1 hour throughout the year, Prof. Ramsay.

ANNUAL EXAMINATIONS—(1) Pharmacology. (2) Pathology. (3) Obstetrics and Gynecology. (4) Medicine. (5) Surgery.

#### SENIOR YEAR

THERAPEUTICS—*Recitations and lectures*, 1 hour throughout the year, Prof. Osborne. *Therapeutic Clinics*, Applied therapeutics, 1 hour first half year, and section work second half year, Prof. Osborne.

OBSTETRICS—*Demonstrations* with the manikin and obstetric surgery, in sections, first term. *Midwifery Clinic*, *Demonstrations* and *section work*, with reports of cases attended by students, Prof. Ramsay.

GYNECOLOGY—*Clinics. Lectures, Section work*, Diagnosis and treatment, throughout the year, Prof. Ramsay.

SURGERY—*Lectures*, special topics, 1 hour second half year, Prof. Carmalt. *Clinics*, General surgical, 2 hours throughout the year, University Clinic, Prof. Carmalt. *Section work* with reports of cases, 6 hours one term, Prof. Carmalt. *Ward Classes and Operations*, 3 hours throughout the year, New Haven Hospital, Prof. Carmalt and Prof. Russell.

OPERATIVE SURGERY—*Recitations*, 2 hours first half year, Dr. Leonard Bacon. *Section work*, Operations on the cadaver, Dr. Leonard Bacon.

GENITO-URINARY SURGERY—*Recitations and lectures*, 1 hour first term, Prof. Russell.

ORTHOPAEDIC SURGERY—*Lectures*, 1 hour first half year, Dr. Arnold. *Clinics and section work*, second half year, Dr. Arnold.

OPHTHALMOLOGY—*Lectures*, 1 hour first half year, Dr. St. John. *Clinics*, 1 hour first half year, with *section work* second half year, Prof. Alling.

LARYNGOLOGY AND RHINOLOGY—*Lectures*, 2 hours first half year, Prof. Swain. *Section work and manikin practice*, 2 hours second half year, Prof. Swain.

MEDICINE—*Laboratory*, Clinical Microscopy, 2 hours first half year, Prof. Ely. *Section work*, throughout the year. *Hospital Clinics*, 3 hours, Prof. Ely.

DERMATOLOGY—*Lectures and recitations*, 1 hour first half year, Prof. McDonnell. *Clinics*, Lectures and demonstrations, 1 hour throughout the year, Prof. McDonnell.

**PEDIATRICS**—*Recitations*, 1 hour first half year, Dr. Bishop. *Clinics*, 1 hour throughout the year, with *section work*, Dr. Bishop.

**NEUROLOGY**—*Recitations*, 1 hour first half year, Dr. Peck. *Clinics*, University Clinic, 1 hour first half year, with *section work* second half year, Dr. Peck; Hospital, 1 hour second half year, Dr. Mailhouse.

**PSYCHIATRY**—*Recitations*, 1 hour first half year, with *clinics* at the State Hospital, Dr. Defendorf.

**SANITARY SCIENCE**—*Lectures*, 1 hour first half year, Prof. Lindsley.

**LIFE INSURANCE EXAMINATIONS**—*Six lectures*, Dr. Shepherd.

**MEDICAL JURISPRUDENCE**—*Lectures*, 1 hour first half year, Dr. Francis Bacon and Prof. Smith.

**ANNUAL EXAMINATIONS**—(1) Therapeutics. In Medicine (2) Clinical Examination of Cases; (3) Medicine I, (Psychiatry Pediatrics, Neurology), (4) Medicine II, (Dermatology, Sanitary Science, Medical Jurisprudence); (5) (*Senior Surgery*, Operative Surgery, Genito-urinary Surgery); (6) Special Surgery, (Orthopaedic Surgery, Otology and Rhino-laryngology, Ophthalmology); (7) A Thesis.

## CHEMISTRY

The instruction in this department is given by laboratory work, combined with recitations and explanatory lectures, very completely illustrated by experimental demonstrations and specimens.

The department has two large working laboratories fully equipped for analytical and physiological chemistry. In them each student is supplied with a desk and ample apparatus for systematic and accurate experimental work. The lecture room is furnished with a projection lantern, abundant apparatus for demonstration, and a large chemical collection. The research laboratory is well equipped and is open to advanced students.

**General Chemistry**—The course of recitations includes the fundamental theories of chemistry, and the reactions and characters of the more common elements and compounds. A special course is given in *organic chemistry*, in which much attention is devoted to the constitution and relations of the different classes of compounds. Many of the typical bodies are prepared before the class as demonstrations.

**Analytical Chemistry**—*Qualitative Analysis* is taught so far as to require the students to be able to analyze a mixture of the salts of the common metals. The course is systematic and is well adapted to cultivate habits of observation and the analytical method of thought. In *Quantitative Analysis* each student makes a number of typical determinations by volumetric and gravimetric methods.

*Physiological Chemistry*—The course consists of recitations and a practical laboratory study of many of the proximate principles of the animal body, and the reactions and composition of the various tissues and fluids, particularly the digestive juices and the urine.

*Clinical Chemistry* constitutes a part of the clinical laboratory course of the Junior year, which deals with the analytical methods of value in clinical and sanitary work, especially in the study of the blood, sputum, stomach contents, urine from pathological cases, and feces.

Two examinations are held in this department, one in general chemistry, including organic and analytical chemistry, and one in physiological chemistry. The results of these examinations, together with the records of the student's practical work, determine his standing for the year.

## ANATOMY

*Systematic Anatomy*—The course in this subject is graded and extends through the first two years. The instruction is given by means of dissections, recitations, class and section demonstrations, and lectures illustrated by charts, models, wet and dry preparations, and lantern slides. The lectures are intended to be explanatory and supplemental and for the elucidation of the general principles of morphology. The laboratory is well equipped, and ample material, well preserved by embalming and refrigeration, is furnished. Each student is required to make a careful dissection of the three parts of the body at least once. At the completion of a part a quiz is held with each student, which, with the recitations and written examination at the end of the year, determines his standing.

*First Year*—The work of the First year is devoted to osteology, arthrology, and myology. Each student is furnished with a box containing a skeleton for home study. The study of the soft structures is prosecuted in the laboratory under constant supervision, and two parts at least must be dissected, occupying a period of about twelve weeks.

*Second Year*—The dissection of at least one part is required this year. The anatomy of the peritoneum, the thoracic and abdominal viscera, and of the eye and brain are carefully demonstrated to the students in small groups. The study of surface form and topography in the cadaver and model is an important part of the work. The embryology of each organ is reviewed in connection with its structure, and the salient facts of comparative morphology, especially of the brain, alimentary, circulatory and respiratory organs, are explained. The examination at the end of the year includes angiology, neurology, splanchnology, and topographical anatomy.

*Histology*—Instruction in histology is given by recitations and lectures illustrated by charts, blackboard drawings, and lantern slides, but chiefly by laboratory work. The recitations and lectures precede and prepare for the better interpretation of the specimens in the laboratory. The laboratory is large, well lighted and equipped, and each student is furnished a microscope and locker containing a box with all necessary apparatus and reagents. First the elementary tissues and their morphological units are studied by fresh and unstained specimens as well as by stained ones, then the various organs are systematically taken up. The student prepares, stains, and mounts the specimens so far as is practicable, making drawings of each with explanatory notes. At the beginning of each laboratory exercise, the specimens for the day are demonstrated by an excellent electric projection apparatus, experience having shown this method of instruction to be very helpful. Systematic instruction is given in the methods of fixing, embedding, and sectioning tissues, and in the structure and functions of the various parts of the microscope and accessory optical appliances.

A practical and written examination is held at the end of the year covering the subjects of histology and the microscope and microscopical technology, which together with the recitations, laboratory work, and drawing books determines the student's standing.

Facilities are offered and assistance given to students who are making original investigations in connection with their theses.

*Embryology*—The method of instruction in this branch is similar to that in histology. The laboratory work consists of a study of the early development of the chick by surface views and serial sections, of a pig of ten millimeters in length and of the structure of the human decidua, placenta, and cord. The cabinet furnishes serial sections of the human embryo which are used for reference. Congenital malformations and vestigial structures are considered and explained. Some attention is given to embryological technology and reconstructions. The examination is incorporated with that of histology and is of a similar nature.

*Topographical and Surgical Anatomy*—The junior students receive instruction in the topographical and special surgical relationships of anatomy in a course of lectures with demonstrations on the living model and the cadaver.

## PHYSIOLOGY

The instruction in this department is given during the First and Second years. In the First year the course is elementary in character, being designed to present merely an outline of the subject. At the same time, by means of abundant demonstrations, the student is made



to see many of the fundamental phenomena of life, and becomes acquainted with many of the methods by which the more important physiological principles are established. In the Second year the subject is treated with much more detail, and special attention is given to the physiology of the nervous system and the special senses, to the physiology of secretion, digestion and nutrition, and to such other topics as seem of special importance to the medical student. Instruction is given by recitations, demonstrations and lectures, combined with a practical laboratory course, in which the students, under the supervision of an instructor, are required to do many of the more important experiments themselves. In this manner the physiology of muscle and nerve is worked out with great care, and the various graphic methods used in experimental physiology are illustrated and applied to the study of the phenomena of the circulation, respiration, etc. After the student has acquired familiarity with the methods of physiological experimentation, further training in the application of this technique is obtained by the study of the physiological action of drugs. The student works out for himself in the laboratory the action on the circulation, respiration and nervous system, of at least one example of each of the chief classes of drugs. In connection with this work the students attend a course of twenty lectures on experimental toxicology given to the students in Biology. These two courses are especially adapted as a preparation for the pharmacology of Junior year.

The lecture room of the department is adapted to its special requirements and is well equipped with apparatus and appliances for class demonstrations. The laboratory consists of a suite of six rooms, well appointed for experimental work. Advanced students are received into the laboratory and guided in research work on subjects suitable for presentation as theses.

### MATERIA MEDICA AND THERAPEUTICS

Instruction in this department begins in the second term of the Second year and extends through the remainder of this year and through the whole of the Junior and Senior years.

*Pharmacy*—Lectures and laboratory demonstrations are given on this subject during the latter half of the Second year as an introduction to the study of materia medica. The methods of making the different classes of pharmacopœial preparations are demonstrated by making a number of the official preparations. Also, some of the important chemical and pharmacal incompatibilities are demonstrated. Students are required to keep notes, and are quizzed on the subject as soon as the course is finished. Each student is also required to spend at least

fifty hours in the prescription department of the Dispensary, or some drug store, or hospital, sometime between the end of the Second year and January of the Junior year.

*Materia Medica*—The study of this subject is begun in the last third of the Second year, and is taught by demonstrations of crude drugs and their preparations, and recitations from a text-book. During this course explanatory lectures and demonstrations are given in the use of hypodermic syringes, atomizers, inhalers, cups, and the various methods of making hot and cold applications, wet dressings, plasters, and the various means of producing counter-irritation.

*Prescription Writing* is taught by text-book recitations in the last third of the Second year, and by blackboard exercises during this term and throughout the Junior year. During the Senior year the students are appointed to act as clerks in the Dispensary and write prescriptions under the supervision of the assistants.

*Pharmacology*—Instruction in this subject begins during the Second year, in the laboratory with demonstrations of the action of the most important drugs. The students are assigned in turn to take active part in these pharmacological experiments, and all are required to keep notes and to take quizzes on the work done. The study of this subject is continued by lectures, and by recitations from a text-book during the first and second terms of the Junior year.

*Toxicology*—This subject is chiefly studied in the course on pharmacology, but is specially treated in a course of lectures and demonstrations during the last term of the Second year, and from the chemical side in the course in medical jurisprudence in the Senior year.

*Therapeutics*—This subject is introduced in the latter part of the Junior year by a series of lectures on the history of medicine from the earliest times, particular attention being given to the gradual evolution of scientific rational treatment. Lectures are then given on electricity, massage, hydrotherapy, organic extracts, climatology and dietetics. The subject is continued throughout the Senior year by lectures and recitations on the treatment of internal diseases. In the therapeutic clinic the treatment and results of treatment are especially emphasized. Written examinations are held at the end of the Second and Junior years and a practical examination in the Senior year. Advancement depends on these examinations and the term standing.

## PATHOLOGY

Instruction in pathology begins in the Second year and is continued through the first and second terms of Junior year. In the Second year it consists of a recitation and lecture course combined with laboratory work. The first part of the course is devoted to general pathology,

including the study of bacterial lesions and tumors. This is followed by a detailed review of the special pathology of the important organs. The class-room exercises are illustrated by specimens from the autopsies and the museum.

The laboratory has an excellent equipment of apparatus, including a projection microscope for demonstrations, and is abundantly supplied with excellent microscopes, which are furnished each student, together with a full set of apparatus and reagents. The laboratory course in pathological histology is systematic, and includes a study of the more important pathological processes and morbid tissues. Each student prepares a large collection of typical specimens, which becomes his own property. During the second term of both the Second and Junior years, one exercise each week is devoted to the demonstration and study of gross pathological specimens.

In the first part of the Junior year particular attention is given to pathological technique. Attendance at the morgue of the New Haven Hospital is required, and the members of the class assist in performing the autopsies. The various methods of preserving tissues both for gross and microscopic purposes are emphasized. Material obtained from cases seen in the clinics, and from the more interesting autopsies of the year, is used by the class for microscopic purposes.

*Bacteriology*—A laboratory course in this subject is given during the early part of the Second year. This is preliminary to the study of the lesions produced by bacteria, which is taken up in the systematic course in pathology. Each student is provided with a desk and apparatus, and receives instruction in the principles and methods of sterilization, the preparation of the ordinary culture media, and the methods of growing, staining, and studying the various bacteria. Especial attention is given to such bacteriological methods as have been found of value in clinical diagnosis.

Facilities are offered for original research by this department both in the microscopical and bacteriological laboratories.

## OBSTETRICS AND GYNECOLOGY

The instruction in this department extends through the Junior and Senior years.

*Theory and Practice of Obstetrics*—The principles are thoroughly taught in a course of recitations and lectures extending through the Junior year.

*Practical Obstetrics*—The theoretical instruction is supplemented by manikin and clinical work. The various positions of the foetus *in utero* and the mechanism of labor are taught in a manikin course during the Junior year. This course is preparatory to the clinical work of

the Senior year. The symptoms and signs of pregnancy are demonstrated in the midwifery clinic at the Dispensary. Each member of the graduating class is required to attend at least two cases of labor, and to present a written report on them. Provision is made for this service at the Dispensary, where lodgings are provided for students in attendance.

*Obstetric Surgery*—The various obstetrical operations are taught in the first half of the Senior year in a course of lectures and demonstrations on the manikin.

*Gynecology*—The principles of gynecology are taught in a course of recitations during the Junior year. This theoretical work is supplemented by clinical lectures in the Senior year, and by a course in diagnosis and treatment taken by the students in small sections as they are assigned to the clinics.

## MEDICINE

The instruction in the branches belonging to this department begins in the third term of the Second year and continues through the Junior and Senior years.

*The Principles and Practice of Medicine*—The instruction begins in the last term of the Second year with a course of lectures on general symptomatology, in which the more important symptoms of disease are considered in their relations to physiology and pathological anatomy.

In the Junior year systematic instruction is given in the principles and practice of medicine. In the recitations and lectures the student is taken over the field covered by an approved text-book of the practice of medicine. At the same time he is taught the methods of examination in a course of practical instruction in physical diagnosis, and he attends general medical clinics in the Dispensary and at the New Haven Hospital. During the second half of the year a course in clinical microscopy is added, in which instruction is given in the chemical and microscopical methods employed in the clinical examination of the blood, exudates, transudates, sputum, stomach contents, urine and feces. Throughout this year the clinical work and the text-book exercises are made to accord as to subject in so far as it is practicable, with a view to making the clinics illustrate class-room work.

During the Senior year the work is almost wholly practical and clinical. Cases are assigned to each student individually for special study, the student taking the clinical history and making all such physical, chemical, microscopical and bacteriological examinations as may be necessary to a full understanding of the case. At stated intervals these cases are brought before the class and are reported and

discussed as regards their pathology, diagnosis, prognosis, and treatment. Each student serves also during a portion of this year as clinical clerk in the Dispensary, taking and recording brief histories of the cases, making physical examinations, and writing prescriptions under the direction of the physician in charge.

*Physical Diagnosis*—A practical course in the methods of physical examination is conducted in the Dispensary during the Junior year. The course is a systematic one and the class is divided into small sections, thus permitting individual attention on the part of the instructors, and abundant practice by the student in the methods taught.

*Neurology*—The systematic instruction in neurology is a part of the course in medicine of the Junior year. This is supplemented and extended in the Senior year by a course of recitations during the first half of the year, and by clinical lectures, in which, as far as is practicable, the work in the class room is illustrated. Special attention is paid to the demonstration of the methods employed in the diagnosis and treatment of nervous diseases.

*Psychiatry*—A course of recitations on insanity is given during the first half of the Senior year. These are combined with and illustrated by a series of clinics at the State Hospital for the Insane.

*Pediatrics*—The special instruction in children's diseases is given in a course of recitations during the first half of Senior year, and in the children's clinic at the Dispensary. In the Dispensary the first half-year is devoted to the demonstration of the development of the normal child and to special methods of examination, while the second period is devoted to general clinical lectures and section work.

*Dermatology*—The instruction in this subject consists in a course of recitations and lectures during the first half of the Senior year, combined with clinical work which extends through the entire year. The clinical work of the first period is arranged to illustrate as far as practicable the topics treated in the class-room. During the remainder of the year two clinics are held weekly for the purpose of affording sufficient opportunity for the students to become familiar with the clinical appearances of the various diseases of the skin.

*Sanitary Science and Public Hygiene* receive attention in a course of lectures which include a study of the air, soil, water supply, sewage disposal, house construction and ventilation, personal and school hygiene, sanitary administration, and vital statistics.

*Medical Jurisprudence* is treated in a course of lectures especially from the standpoint of the medical practitioner. It includes his duties and privileges as defined by law, and general instruction concerning expert testimony, and the clinical, pathological, and chemical methods of making medico-legal examinations.

## SURGERY

The instruction in surgery extends through the Junior and Senior years, and includes instruction in the recognized surgical specialties.

*The Principles and Practice of Surgery*—In the Junior year the classroom instruction consists of a systematic course of lectures on general surgery. Clinical instruction is also begun at this time with attendance on the surgical clinics and operations at the Hospital and at the University Clinic, where the Junior students also serve in sections as clerks and dressers.

In the Senior year, instruction in general surgery is continued in lectures on special topics during the second half year, but the major part of the instruction is clinical. At the University Clinic, the Seniors are assigned to the several surgical services in turn to act as clerks and assistants. In performing their duties as dressers and general assistants they have an excellent opportunity to become familiar with the practices of modern aseptic methods. Patients needing attention at their home are assigned to students, who are required as a part of their regular duties to visit them and to make full reports concerning them.

Clinics and ward classes are regularly held during the year at the New Haven Hospital. In them the students are shown selected cases during their whole stay in the Hospital, and are afforded an opportunity of studying the causes which necessitate operations, where such are necessary, of seeing the operations, and of observing the results of treatment.

*Operative Surgery*—The instruction in this subject extends through the first half of the Senior year. The first term is devoted to recitations and lectures, all of the more important operations of general surgery being studied in detail. In the second half the class is divided into sections, which perform, under the guidance of the instructor, as many operations as can be conveniently executed on the cadaver. Some few selected operations will be performed by the instructor as demonstrations before the whole class.

*Bandaging*—The art of applying bandages is taught during the third term of the Junior year in a practical course, which includes all the more useful methods.

*Orthopaedic Surgery* is taught in the Senior year by lectures on the etiology, symptomatology, diagnosis, and prognosis of deformities. In the discussion of treatment, special attention is paid to mechano-therapy (massage and gymnastics), mechanical appliances (bandages, casts, etc.), and orthopaedic apparatus, and to operative procedures. Clinical lectures with demonstrations and section work occupy the second half-year.

*Genito-urinary Surgery*—The special instruction in this subject is given in a course of recitations, with a demonstration of the instruments and appliances used in treatment. The clinical instruction is included in the work of the general surgical clinic.

*Ophthalmology*—The instruction in this subject is given in the Senior year. During the first half-year it consists in a systematic course of lectures and a practical course in the methods of examining the eye, including the use of the ophthalmoscope and the determination of refraction and motility. During the remainder of the year, attendance is required on the eye clinic, in which the students have an opportunity to witness the various operations on the eye. They also serve as assistants, and thus acquire facility in diagnosis and experience in treatment. Each student is also required to make an examination of a number of typical cases, and to present reports of them before the class.

*Laryngology, Otology and Rhinology*—The didactic instruction in these subjects is given in a course of lectures and recitations during the first half of Senior year, and by section work in the clinic during the second half.

The section work begins with a manikin course on the technique of examinations of the ear, nose, and throat, after which the students receive individual instruction in the examination of patients and the simpler routine methods of treatment. In their work as assistants they gain facility and experience in these procedures. In the general clinic in this department all the major and minor operations are amply illustrated before the class.

#### REQUIREMENTS FOR ADVANCEMENT

Students are advanced from one class to the next by a vote of the Faculty, based on their standing in the examinations, and on the record of their work for the year.

The annual examinations are held in June in the studies of each year, and are open to students of the School and to candidates for admission to advanced standing. The subjects of the examinations of each class are fully shown in the statement of the curriculum. Examinations are also held just before the opening of the School year in September, in the studies of the First, Second, and Junior years. These autumn examinations are open only to students conditioned in June, and to candidates for admission to advanced standing. They are optional, and a fee is required for admission to them.

## REQUIREMENTS FOR A DEGREE

To be eligible for the degree of Doctor of Medicine, every candidate must fulfil the following conditions :

I. He must be at least twenty-one years of age, and must sustain a good reputation for moral character.

II. He must have pursued medical studies for four years, and have been a student in this School for at least two years. If he has not pursued the four years' curriculum in this School, he must have taken such studies in some other recognized institution as are equivalent to the remainder of the full term of study.

III. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course, and must have presented a satisfactory thesis on some subject relating to medicine. The thesis should be presented to the Dean on the third Wednesday before Commencement.

## HONORS AND PRIZES

The degree of Doctor of Medicine *magna cum laude* will be conferred on students whose examinations and school work show distinguished merit.

The degree of Doctor of Medicine *cum laude* will be conferred on students whose examinations and school work show unusual merit.

The CAMPBELL GOLD MEDAL is a memorial of Professor James Campbell, M.D., and is awarded to that member of the graduating class who secures the highest rank in the examinations of the course.

The KEESE PRIZE—The income of the fund for the Keese Prize, a memorial of Hobart Keese, M.D., of the class of 1855, which amounts to about \$145 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis.

Any of these honors may be withheld at the option of the Faculty.



## FEES AND EXPENSES

## FIRST YEAR :

Matriculation (paid but once),	.	.	.	\$ 5.00
Tuition,	.	.	.	150.00
Practical Anatomy (including instruction and material),	.	.	.	10.00

## SECOND YEAR :

Tuition,	.	.	.	\$150.00
Practical Anatomy (including instruction and material),	.	.	.	5.00

## JUNIOR YEAR :

Tuition,	.	.	.	\$150.00
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## SENIOR YEAR :

Tuition,	.	.	.	\$150.00
Graduation,	.	.	.	10.00

A rental fee of \$3.00 for the use of a microscope is charged in the laboratory courses of the First and Second years. Students may, however, supply their own microscopes, in which case this fee is remitted. A fee of \$3.00 is also required for the out-patient obstetrical course of the Senior year.

Laboratory deposits are required as follows: First year, Chemical Laboratory, \$5.00; Histology Laboratory, \$1.00. Second year, Pathology Laboratory, \$2.00. Junior year, Pathology Laboratory, \$1.00. Senior year, Clinical Laboratory, \$2.00. These deposits are to cover the cost of apparatus broken by the student, and any excess above such breakage will be returned at the end of the course.

*These fees give entrance to all the instruction in the School, including not only the lectures and quizzes but the practical courses in all departments. The curriculum does not need to be supplemented by private quiz-classes.*

The matriculation fee is payable to the Dean on admission to the School. The tuition fees are payable in installments of \$50.00 each; and are due on October 15th, February 1st, and April 15th, respectively. Fees are payable to the University Treasurer on or before the dates specified. If not then paid they will bear interest from the dates

when due, and must be paid to the Dean. The graduation fee is payable to the Dean three weeks before Commencement.

Students who do not pay in advance can continue their studies for the year by giving an endorsed note satisfactory to the Dean. No degrees can be conferred, nor any certificate of attendance of examination furnished, until all bills due the University are paid.

Students will be assisted in finding board and lodging by the Janitor of Medical Hall.\* Prices range from four and a half dollars a week upwards.

#### INSTRUCTION TO GRADUATE AND SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE IN MEDICINE

The instruction here offered to graduates in medicine is intended to meet the requirements of two classes of students; first, those who wish to review or supplement their knowledge of the regular studies of the medical curriculum, as taught in this School; and second, those who wish to fit themselves in special lines of medical work, or for the duties of a medical examiner, or for medico-legal and sanitary examinations.

*Special students* are not taken in the practical branches of medicine, but the general studies of the course are open to such persons as may desire to pursue them, if by their previous studies they are prepared to profit by the instruction. The charges for instruction will depend on the courses taken, and can be ascertained for any particular line of study by applying to the Dean.

For further information, address Professor HERBERT E. SMITH, Dean. Office hours from 9 to 11, Room No. 25, Medical School, 150 York St.

\* Mr. William Blackwood, 146 York st.

# DEPARTMENT OF LAW

## (YALE LAW SCHOOL)

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### FACULTY

ARTHUR TWINING HADLEY, LL.D., PRESIDENT

Hon. FRANCIS WAYLAND, LL.D., *Dean, and Professor of English Constitutional Law*

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Hon. SIMEON EBEN BALDWIN, LL.D., *Professor of American Constitutional and Private International Law*

Hon. DAVID TORRANCE, M.A., *Professor of Evidence*

Hon. WILLIAM KNEELAND TOWNSEND, D.C.L., *E. J. Phelps Professor of Mercantile Law, and Admiralty Jurisprudence*

THEODORE SALISBURY WOOLSEY, LL.B., M.A., *Professor of International Law*

Hon. SAMUEL OSCAR PRENTICE, B.A., LL.B., *Professor of Pleading*

Hon. EDWARD DENMORE ROBBINS, B.A., LL.B., *Professor of General Jurisprudence*

HENRY WADE ROGERS, LL.D., *Professor of Equity and Corporations*

GEORGE DUTTON WATROUS, D.C.L., *Professor of Torts and Estates*

EDWARD VILLETTE RAYNOLDS, D.C.L., *Professor of Comparative Constitutional Law and Civil Government*

JOHN WURTS, M.A., M.L., *Professor of Real Property and Federal Practice*

GEORGE EMERSON BEERS, M.A., M.L., *Assistant Professor of Elementary Law and Real Property*

WILLIAM FREDERIC FOSTER, D.C.L., *Assistant Professor of Mercantile Law, and Secretary of the Faculty*

WALTER BERNARD CLARKSON, B.A., *Assistant Professor of Contracts*

ALBERT SPROULL WHEELER, M.A., *Instructor in Roman Law*

## SPECIAL LECTURERS AND INSTRUCTORS

HON. JOHN HOYT PERRY, LL.B., *Lecturer on Parliamentary Law*

HON. EDWIN BAKER GAGER, B.A., *Instructor in Mortgages and the Law of Public Service Companies*

THOMAS THACHER, LL.D., *Lecturer on Corporate Trusts*

JAMES MULFORD TOWNSEND, B.A., LL.B., *Lecturer on Transfer of Monetary Securities*

CYRUS LARUE MUNSON, LL.B., M.A., *Lecturer on General Legal Practice*

JAMES HENRY WEBB, B.S., LL.B., *Instructor in Criminal Procedure and Criminal Law*

JOHN KIMBERLY BEACH, B.A., LL.B., *Lecturer on Patents*

ROGER FOSTER, LL.B., M.A., *Lecturer on Federal Jurisprudence*

WILLIAM DAMERON GUTHRIE, *William L. Storrs Lecturer for 1902-3*

LEONARD MAYHEW DAGGETT, B.A., LL.B., *Instructor in Wills*

HOWARD HOYT KNAPP, B.A., LL.B., *Lecturer on Connecticut Practice*

ROBERT CLARK MORRIS, D.C.L., *Instructor in the French Codes*

WILLIAM LLOYD KITCHEL, B.A., *Instructor in New York Practice*

JOHN WESLEY WETZEL, PH.B., *Instructor in Elocution*

ANDREW TEW BIERKAN, LL.B., *Instructor in Bookkeeping and Accounts*

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PHILIP P. WELLS, PH.D., *Librarian*

HOWARD BIRNEY SNOW, *Assistant Librarian*

RALPH CHAPMAN BENEDICT, *Assistant Librarian*

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CHARLES HENRY HARRIMAN, LL.B., *Instructor of Quiz-Clubs*

CHARLES DAVENPORT LOCKWOOD, PH.B., *Registrar*

MORRIS OLDER, *Assistant Registrar*

## GENERAL STATEMENT

It is the aim of the School to give to all students in its regular undergraduate course a thorough acquaintance with the general principles and rules of American law, so as to fit them for the Bar of any State ; to extend to those who do not propose to become practising lawyers but wish to pursue some particular branches of legal or political knowledge, such assistance as they may desire ; and to offer to advanced students further instruction in all that belongs to law as a science in its widest sense. Such instruction is given in an undergraduate course, a graduate course, and special courses.

The undergraduate course is mainly devoted to the practical side of legal education, but also gives an introduction to the general ideas and sources of jurisprudence. Graduate instruction, besides continuing some of the lines of study previously pursued, comprehends many of a more scientific and philosophical character, including Comparative Jurisprudence, Legislation and Government, Legal History, Economics, Roman Law, Foreign European Codes, and Private International Law. Students are at liberty to take a part of this course one year and part another year, being examined at the close of each year on the studies pursued, and dividing the tuition fees in like proportion.

Hendrie Hall, the Law School building, faces the Green, near the College campus. It contains an ample law library, and has, together with the executive offices, six large lecture rooms, and reading, conversation and consultation rooms for the use of the students. The building is within two blocks of the Court House of New Haven County, in which two terms of the Supreme Court of Errors of Connecticut are held annually ; while the Superior Court and Court of Common Pleas (the prin-

cial civil and criminal courts of the State) are also in session there almost daily during each of the School terms, thus affording the students peculiar facilities for observing actual practice in court.

The library of the School is open until nine in the evening, and students are encouraged to examine the books on the shelves for themselves, without the intervention of the librarian. The familiarity with the reports and authorities thus gained, the Faculty deem of great importance in accustoming the student to prepare his cases intelligently and thoroughly in his future practice.

A debating society—the Kent Club—gives a good opportunity for practice in public speaking, and the formation of class quiz-clubs, to meet in the Law School apartments, is also provided for. Those formed in the Junior year are under the special direction of a competent instructor. The share of the School in the general advantages of the University gives the students many opportunities of broadening their views and acquiring knowledge in regard to matters outside of their strictly professional work. They may, on application to the Dean, obtain permission to be present at one or more of the special courses of instruction in the Department of Philosophy and the Arts, or the lectures on Anatomy, Insanity, etc., in the Medical School, on payment of a moderate fee.

### COURSES OF INSTRUCTION

The regular course of study for candidates for the degree of LL.B. covers a period of three years.

Graduates of approved colleges, who have taken while in college what amounts to not less than five hours a week of strictly legal studies during an entire college year and have passed a creditable examination in such studies at such college, may, so far as such studies form part of the

regular Junior *Curriculum*, substitute for them, during their Junior year, certain courses of the Middle *Curriculum*; and, in such case, during their Middle year may take some of the courses offered in the Senior *Curriculum*; thus becoming enabled to take, if they desire, during Middle and Senior years, all the courses offered in those years, instead of being restricted to an election between them. Or, if they desire and feel able to do the work which would be thus required, they may register provisionally in the Middle class and be advanced from that in the regular course into the Senior class in case they pass, at the close of the Middle year, examinations both on their Middle work, and on such studies of the Junior year as were not covered by them while in College, taking a high stand in both.

The graduate course can be completed in one or two years, according to the ability and the desire of the student.

The general order of instruction is as follows :

#### FIRST YEAR

Outlines of American Law ; Lectures.	Wills ; Lectures, with the Yale Cases.
Elementary Law (Robinson and Blackstone's Commentaries).	Criminal Law (Clark).
Real Property.	Torts (Cooley).
Agency and Contracts (Clark, Special Topics, Hopkins' Cases, and the Yale Cases).	Common Law Pleading (Heard's <i>Civil Pleading</i> ).
	Evidence (Reynolds' <i>Theory</i> ).
	Notes and Bills. (Selover.)
	Moot Courts.

#### *Elective*

Elocution ; Lectures and prac- tice.	Commercial accounts, with practical instruction in book- keeping.
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## SECOND YEAR

Real Property (Washburn).	Bailments and Carriers (Hale).
Conveyancing ; practice.	<i>Habeas Corpus</i> , Taxation, and
Partnership, Liens, Defences,	Judgments ; Lectures.
Estoppel, Married Women,	Principles of Contract (Benja-
Statute of Frauds, Attach-	min).
ments ; Lectures.	International Law ; Lectures.
Equity (Bispham).	Evidence (McKelvey).
Private Corporations (Mora-	Constitutional Law ; Lectures
wetz and the Yale Cases).	and the Yale Cases.
Criminal Procedure (Clark and	Estates ; Lectures.
the Yale Cases).	Moot Courts.
Code Pleading (Bryant).	

*Elective*

Elocution ; Lectures and prac-	Roman Law (Hadley and
tice.	Morey).
Medical Jurisprudence ; Lec-	Insurance (Richards).
tures.	

## THIRD YEAR

(At least thirteen hours per week to be elected.)

Sales (Benjamin).	Mortgages (Kirchwey's Cases).
Wills (Schouler).	General Jurisprudence (Hol-
Municipal Corporations (Dillon).	land and Maine).
Evidence (Thayer's Cases).	New York practice.
Railroad Law (Baldwin's Cases).	Connecticut practice.
Patents ; Admiralty ? Copy-	Practice under other State sys-
rights ; Trade-marks ; Lec-	tems.
tures.	Remedies (Pomeroy).
Trusts (Ames' Cases).	Forensic Elocution and
Roman Law.	practice.
American Diplomatic History ;	Equity Cases.
Lectures.	Attorney and Client (Special
Bankruptcy ; Lectures.	Topics).
Practice in the United States	Conflict of Laws (Special Top-
Courts and Equity Pleading	ics).
(Foster).	

Moot Courts.

Short lecture courses are also given on Legal Ethics, and on the Beginnings of Professional Practice.



## GRADUATE COURSE

Elections may be made from the following topics and courses :

GENERAL DESCRIPTION OF TOPICS, UNDER WHICH THE COURSES ARE GROUPED

1. The Organization and Working of Human Society.
2. General Jurisprudence and Ancient Law.
3. Comparative Jurisprudence and Government.
4. American and English Constitutional Law and History.
5. American Jurisprudence and Legislation.
6. International Law and Diplomacy.

## COURSES, AS ABOVE GROUPED

## I

*The Organization and Working of Human Society*

1. Sociology : The Self-Perpetuation of Society ; Evolution of the Domestic Relations : Professor Sumner. Two hours a week.
2. Systematic Sociology : Professor Sumner. Two hours a week.
3. Physical Geography in its relation to History: Professor Brewer.\* One hour a week, second half of 2d term.
4. Medieval Institutions : Professor George B. Adams. Two hours a week.
5. Social Politics : Professor Farnam. Two hours a week.
6. Commercial Geography : Professor Emery, and Assistant Professors Gregory and Keller. Two hours a week.

## II

*General Jurisprudence and Ancient Law*

7. General Jurisprudence (Maine's *Ancient Law*, and Holland) : Professor Robbins.† One hour a week.
8. General Jurisprudence ; Advanced studies in particular topics : Professor Robbins.\* One hour a week, 2d term.
9. Roman Law : Outlines (Morey's *Outlines* or Hadley's *Introduction*) : Professor Albert S. Wheeler.† One hour a week.
10. Roman Law : Institutes : Professor Albert S. Wheeler.† One hour a week.
11. Roman Law : Sources : Professor Albert S. Wheeler. Two to three hours a week.
12. The Roman Law foundations of American Equity : Professor Foster. One hour a week.

## III

*Comparative Jurisprudence and Government*

- 13. Comparative Constitutional Law and Civil Government: Professor Raynolds. One hour a week.
- 14. The French Codes: Dr. Morris. Two hours a week.
- 15. The German Civil Code:\* Professor Raynolds. One hour a week.
- 16. Conflict of Laws: Professor Baldwin.\* (Wharton's *Private International Law*.) One hour a week.
- 17. Modern Political Institutions. Mr. Robinson. Two hours a week.
- 18. Colonization. Professor Keller. Two hours a week.

## IV

*American and English Constitutional Law and History*

- 19. English Constitutional History since 1760: Professor Arthur M. Wheeler. One hour a week.
- 19a. English History, political and constitutional: Professors Adams and Richardson. Three hours a week.
- 20. American Constitutional History: Professor Charles H. Smith. One hour a week.
- 21. Constitutional questions incident to the Civil War: Professor Charles H. Smith. One hour a week.
- 22. The American Revolution and the Formation of the Union: Professor Bourne. Two hours a week.
- 23. American Constitutional Law: Professor Baldwin.† One hour a week.

## V

*American Jurisprudence and Legislation*

## PUBLIC LAW

- 24. Parliamentary Law and drafting of Statutes: Judge Perry.\* One hour a week, last ten weeks 2d term.
- 25. Municipal Corporations: Professor Rogers.† Two hours a week.

## PRIVATE LAW

- 26. Private Corporations: Professor Rogers.† Two hours a week.
- 27. Insurance Law: Professor Clarkson.† One hour a week.
- 28. Railroad Law: Professor Baldwin.† One hour a week.

\* The Faculty reserves the right to withdraw this course if less than three students elect it.

† Undergraduate Law School course, open also to graduates.

29. Public Service Companies: Judge Gager.\* One hour a week.
30. Trusts and Trustees: Professor Rogers.† Two hours a week.
31. Cases in Evidence (Thayer): Professor Torrance.† One hour a week.
32. Forest Law: Hon. Edward A. Bowers.\* One hour a week, first half of 2d term.
33. Remedies and Remedial Rights (Pomeroy): Professor Beers.† One hour a week.
34. Admiralty Law, Patents, Copyrights, and Trade Marks: Mr. Beach.† One hour a week, first fifteen weeks, followed by Bankruptcy: Professor Beers.† One hour a week, ten weeks; and Conflict of Laws: Professor Foster. One hour a week for balance of year.
35. The Law of Receivers: Professor Rogers.\* One hour a week.
36. Medical Jurisprudence: Professor Robbins.† One hour a week, 1st term.
37. Cases in Suretyship: Professor Clarkson. Two hours a week.
38. Cases in Partnership: Professor Foster. One hour a week.

## VI

### *International Law and Diplomacy*

39. International Law: Professor Woolsey.\* One hour a week.
40. History of Treaties, 1763-1815: Professor Arthur M. Wheeler. One hour a week.
41. Diplomatic History of the United States: Professor Bourne. Two hours a week.
42. Incidents in American Diplomacy: Professor Woolsey.† One hour a week.
43. Diplomatic Intercourse with Asiatic Nations. Professor Williams. Two hours a week.

Any courses, from the undergraduate Law School curriculum, other than those above named, may be substituted for any of the courses named on American Jurisprudence and Legislation (Group V), by permission of the Faculty. Graduates of other Law Schools are recommended to make substitutions of undergraduate in place of some of the strictly graduate courses, in respect to such topics as they may not previously have pursued, to the same extent or in the same manner as taught here.

Other courses in Political Science, Finance, History, etc., in the Department of Philosophy and the Arts, may also be substituted for some of those named in Groups I and IV, on consultation with the Faculty.

The courses above outlined are subject to change from time to time, and books should not be purchased until the work is entered upon.

### METHODS OF INSTRUCTION

The method of instruction, particularly in the undergraduate courses, is largely that of recitations. It is the conviction of the Faculty of this Department, as well as the tradition of the University, that definite and permanent impressions concerning the principles and rules of legal science are best acquired by the study of standard text-books and the careful analysis of leading cases in private, followed by the examinations and explanations of the recitation-room. Hence, although certain subjects are separately taught by lectures, either because the want of proper manuals, or the constant and rapid advance of learning, or economy of time, requires the adoption of that method, care is taken that the same topics as far as practicable shall be covered by recitation work in connection with the wider branches of the law to which they belong.

The recitation hours, however, are only in part devoted to questioning the student. While this is done with sufficient thoroughness to hold him up to his work of preparation, matters not fully treated in the text-book used or cases to be analyzed, are presented at greater length: ample opportunity is also afforded for a free colloquial discussion of the subject of the lesson and for the presentation and solution of the difficulties which he may have encountered in his private study. In this manner each student is brought into personal communication with the instructor in reference to his daily work and, as far as practicable, receives the benefits which would be obtained if he were placed under the individual tutorship of his professor.

### UNDERGRADUATE INSTRUCTION

The undergraduate courses of study in Real Property include practical instruction in Conveyancing, in which the students are exercised in drawing the instruments commonly employed in the transaction of business concerning real property.

The courses on Pleading embrace the subjects of Common Law and Code Pleading, both taught by recitation and examples, while the details of the latter are enforced by requiring the students to draw complaints, answers, etc., in the moot courts or in cases of their own selection, and to submit them to the instructor for criticism and correction. Special instruction is also open to each student as to the leading features of the system of pleading and conveyancing in use in the State in which he expects to practice; that on the New York code of civil procedure being continued through the third year.

The course in Evidence embraces three years. Instruction during the first year is devoted entirely to the Theory of Evidence, it being the intention to develop logically the theoretical reasons for excluding *res inter alios*, hearsay, opinion and character, and for admitting facts deemed to be legally relevant, and to set forth the means whereby such facts are proved and their effect upon the issue when proved. In the second year, the theory thus taught is practically applied. McKelvey on Evidence is the text-book used, the principles being emphasized and illustrated by leading cases. So far as is possible, the student is placed in the position of an attorney actually engaged in the trial of a case and the practical difficulties and questions of preparation for trial are discussed. The third year takes the student still further into special lines of evidence. Attention is given to the more intricate branches and a thorough historical investigation is made into the judicial decisions involving such subjects.

The course on International Law and Diplomacy extends over two years, and consists of lectures not only covering the general principles, but treating also of any question involving their application which may be, for the time being, exciting public attention.

The course on Roman Law occupies one hour a week throughout the Middle and Senior years.

### GRADUATE INSTRUCTION

The graduate course is designed to afford to the advanced student an opportunity to round out his legal acquirements and to make a fuller investigation of the philosophic principles of human law. The primary conceptions to which he was introduced at the commencement of his studies are again taken up and developed in a scientific method, and examined in the light of various systems of practical jurisprudence now or heretofore prevailing. Roman Law is made the principal topic for those who desire the degree of D.C.L. The Institutes of Justinian and a considerable part of the Commentaries of Gaius are read. Illustrative cases are studied from the Digest, including some as treated in

Eckert's *Chrestomathie*, and Hess's *Achtzehn Rechtsfälle*. Roby's *Introduction to the Digest* is used and leading titles of the Digest, Code and Novels made the subject of investigation.

The lectures on Political and Social Science, Economics, etc., are given in connection with the graduate courses in the Philosophical Department of the University, and are attended by the graduate students of the Law School in common with the members of that Department.

Besides these various exercises, the undergraduate students are required, from time to time, to draft contracts, wills, and other similar instruments, the work of each being reviewed and commented upon, either in public or in private, by the instructor. Public Moot Courts, besides those of the class quiz-clubs, are regularly held, at which one of the professors presides as judge, and the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be. Occasionally, also, cases are tried by the students before a jury of their own number, in a court regularly organized, with a full complement of judicial, clerical, and executive officers, where the proceedings are conducted in the same manner as in ordinary courts of law.

### SPECIAL STUDENTS

Special studies may be taken by students who desire some acquaintance with law as a preparation for business pursuits, and also by those who, not intending to engage in active business, desire to acquire an enlarged acquaintance with our political and legal systems and the rules by which they are governed. The Faculty will determine, in the case of each special student, the studies which he can most profitably pursue. A three-years' course may be thus arranged (comprehending Roman Law), at the conclusion of which the degree of Bachelor of Civil Law (B.C.L.) may be awarded. To special students not taking

this full course, certificates will be given, stating the time during which they have been connected with the School and the subjects on which they have passed examination. The Faculty will decide in what cases a preliminary examination will be required.

### TERMS AND VACATIONS

There are two terms in each year : the first term, beginning thirteen weeks from the day after Commencement, continues for twelve weeks (with a Thanksgiving recess covering Wednesday afternoon as well as Thursday); the second term, beginning on the Wednesday after the first Thursday in January, continues until Commencement-day, with a Spring recess of eight days, including Easter.

### REQUIREMENTS FOR ADMISSION

#### UNDERGRADUATE COURSE

Applicants for admission to the Junior class must be at least eighteen years of age, and must produce certificates of good moral character.

No one who has not been graduated from or admitted (1) to an approved college, or (2) a law school belonging to The Association of American Law Schools, or (3) one which, in the opinion of the Dean, is of substantially equal standing, or (4) graduated from a preparatory school approved by the Faculty, will be admitted to any class until he shall have passed a satisfactory examination in the following subjects :

1. English Grammar—Whitney's *Essentials of English Grammar*, or an equivalent.
2. English Literature—A candidate will be required to show a general knowledge of the subject matter of the following works, and to answer simple questions on the lives of the authors : Shakespeare's *Julius Caesar*, *Macbeth* and *Merchant of Venice* ; *The Sir Roger de Coverley Papers* in *The Spectator* ; Goldsmith's *The Vicar of Wakefield* ; Coleridge's *The Ancient Mariner* ;

Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

3. History of England—Cowan and Kendall's *History of England*, or Green's *Shorter History of the English People*, or an equivalent.
4. History of the United States—A thorough acquaintance is expected with Channing's *Student's History of the United States*, or McLaughlin's *History of the American Nation*, or some other work of equal scope.
5. Latin Grammar and Composition—Such a knowledge will be expected as is involved in a thorough study of the vocabulary and idiom of the first two books of Caesar's *Gallic War*.
6. Caesar—The first four books of the *Gallic War*;
7. Vergil or Cicero—The first three books of the *Æneid*, or Cicero's orations against Catiline and for Archias.
8. German or French—Translation at sight of simple prose, with sufficient knowledge of grammar to read it intelligently.
9. Algebra.
10. Plane, Solid and Spherical Geometry—Phillips and Fisher's *Geometry*, or an equivalent.
11. Trigonometry and the use of Logarithms—So much, for example, as is contained in the first six chapters of Newcomb's *Larger Trigonometry*, and in Articles 77-78 of Chapter 8.
12. Botany or Chemistry or Physics—Gray's or Bergen's *Elements of Botany* is recommended. If Chemistry be offered, there will be required a knowledge of the common elements and their compounds, ability to write equations of simple reactions, and familiarity with the laws of chemical combination. If Physics be offered, a familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity will be expected.

Upon application to the Secretary of the Faculty at least four weeks before the date of each examination, equivalents may be offered for subjects eight to twelve inclusive.

In choosing equivalents, the following subjects are suggested: General History, Fiske's *Civil Government of*



*the United States* together with the text of the United States Constitution, Physiology, Physical Geography, Geology, Italian, Spanish, Greek, Greek History, and Roman History. In preparation for an examination in General History, Swinton's *Outlines of the World's History*, or Fisher's *Brief History of the Nations*, is recommended.

Those will be excused from any preliminary examination so far as English branches are concerned, who present a certificate that they have passed a "Regents' Examination for Law Students," conducted under the authority of the Board of Regents of the University of the State of New York.

Applicants for admission to advanced standing, as candidates for the degree of LL.B., must be at least nineteen years of age, if they seek to enter the second-year class, and at least twenty years of age, if they seek to enter the third-year class. Applicants who have spent one or more years at any law school belonging to the Association of American Law Schools or at any other law school which, in the opinion of the Dean, is of substantially equal standing, and who present certificates from such school showing that they have passed satisfactory examinations in studies there pursued, may be excused from further examination in those studies, and be classed accordingly; but students so admitted to the Middle or Senior class, who have not taken other topics previously pursued by such class, must pass examinations in such topics, at or before the close of the year, as the Dean may, in each case, decide.

Graduates of such Law Schools and Attorneys at Law, who have been admitted to the Bar after such preliminary or final examinations as attest their proper preparation for the profession, may be allowed to enter, and will be so assigned, without examination, upon consideration of the studies they have pursued and the time which has thus been occupied.

## GRADUATE COURSE

The Graduate Course is open to graduates from any Law School having the degree of Bachelor of Laws (LL.B.), or Bachelor of Civil Law (B.C.L.), or Master of Laws (M.L. or LL.M.), provided they have spent not less than three years in all in the study of law. In computing that period one year of practice at the bar may be considered the equivalent of one year of study. Attorneys of law who have been actively engaged in practice at the bar for not less than five years, and who present a recommendation from one of the judges of the highest court of their State, may also be admitted to this course.

At least one year of residence is indispensable. The presentation of a graduating thesis may be deferred until the second year, and in such case it may be prepared *in absentia*.

No entrance examination is required from those not intending to make Course 11 in Roman Law their major study.

Each graduate student must select a major course of study and such number of minor courses as may be approved by the Faculty. The major course must occupy at least two hours a week throughout the year. Several minor courses, on cognate subjects, may be taken as together constituting a major course. The major and minor courses may be upon the same or different topics, in the six groups stated, but courses covering at least three hours a week, throughout the year, must be selected from one or more of Groups II, III, V and VI.

Those who pursue successfully the graduate course, and present a satisfactory thesis upon an approved topic, will receive the degree of Master of Law (M.L.). In lieu of this degree that of Doctor of Civil Law (D.C.L.) may be conferred upon those who, having made Course 11 in Roman Law their major study, attain a high standard of proficiency in all their studies and submit a thesis of marked excellence, evincing some original research ; pro-

vided they have been graduated at some collegiate institution as Bachelors of Arts, Philosophy, or Philology, or are graduates of the Yale Law School who attained a prescribed standard of scholarship on their examination for their prior degree, or are graduates of other Law Schools presenting a certificate of distinction in scholarship from one of their former instructors.

All who propose to take Course 11 in Roman Law must pass a preliminary examination upon the outlines of Roman Law and History (unless they received their degree at a Law School where Roman Law constituted one of their studies and these passed a satisfactory examination upon it), and also in reading at sight in the Latin and either the French or German language. In the case of students from foreign and not English-speaking countries, a good knowledge of the English language may be accepted as an equivalent for that of French or German.

The presentation of a satisfactory thesis, on an assigned or approved topic, is required as a condition of *every degree*.

#### EXAMINATIONS

There will be an examination of candidates for admission to the Junior class at the Law School in New Haven, beginning on the day after the University Commencement and also on the Monday before the opening of the Fall Term. On the former day (June 25, 1903), examinations will also be held at the places mentioned on pages 70-71.

Candidates who propose to be present elsewhere than at New Haven are requested to communicate with Professor William F. Foster, Secretary of the Faculty, before June 15. A fee of five dollars (payable at or before the opening of the examination sessions) is charged for admission to examinations outside of New Haven.

Examinations of candidates for admission to advanced standing are held towards the end of the Second Term,

and at the beginning of the First Term. Examinations for degrees are held only at the close of the Second Term.

The examination for admission to the graduate course of those intending to make Roman Law their major study will be held on the second day after the University Commencement, beginning at 9 A. M. in the Law School Building.

#### LAW LIBRARY

The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by the Hon. James E. English, M.A., in 1873), contains about seventeen thousand volumes, and is open daily and in the evening during term time. It embraces all the reports of Great Britain and America, with an extensive collection of text-books, and the leading legal periodicals. The students can also draw books from the general University libraries.

#### PRIZES

The following prizes are open to competition :

The JOSEPH PARKER PRIZE (established by the will of Miss Eliza T. Parker in 1898), of one hundred and twenty-five dollars, for the best thesis on a subject connected with Roman Law, presented by any member of the School at graduation from either the undergraduate or graduate course.

The TOWNSEND PRIZE (established by the Hon. James M. Townsend in 1874), of one hundred dollars, to that member of the Senior class who shall write and pronounce the best oration at the public anniversary exercises on graduation.

The SENIOR PRIZE, of fifty dollars, to that member of the Senior class who shall pass the best examination in the studies of that year.

The JEWELL PRIZE (established by the Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of

the Middle class who shall pass the best examination in the studies of that year.

The BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior class who shall pass the best examination in the studies of that year.

The MUNSON PRIZE (established by C. LaRue Munson, LL.B., M.A., in 1890), of fifty dollars, for the best graduating thesis by a member of the Senior class.

The WAYLAND PRIZES (established by Professor Francis Wayland in 1890), one of fifty dollars, one of thirty dollars, and one of twenty dollars, to those three members of the Yale Kent Club who, at a public competitive debate, are pronounced first, second, and third in excellence as debaters.

The MONTGOMERY PRIZE (established by Phelps Montgomery, A.B., LL.B., in 1899), of fifty dollars, to that member of the Junior class who passes the best entrance examination.

#### DEGREES

In the undergraduate course, the degree of Bachelor of Laws or Bachelor of Civil Law, as the case may be, is conferred by the Corporation, upon the recommendation of the Faculty of the Department, on all students who, having finished the prescribed courses of study, have passed satisfactory examinations thereon, and have submitted to the Faculty a creditable thesis on some designated legal subject. In the graduate course the degrees of Master of Laws (M.L.) and Doctor of Civil Law (D.C.L.) are conferred under the conditions already specified on pp. 486-487.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

#### EXPENSES

The annual fees for tuition and use of the University and Law libraries are one hundred and fifty dollars for all

students studying for a degree. They are payable, fifty-five dollars for the First Term and ninety-five dollars for the Second Term, to the Treasurer of the University, in advance, or must be secured by a bond with surety to his satisfaction. The fee for graduation is five dollars. No student whose tuition remains unpaid is admitted to examination. The tuition charged for special students will be on the same basis, but proportioned to the amount of instruction and supervision required.\*

Board and lodgings can be obtained at prices ranging from five dollars a week upwards. Rooms may be obtained in Pierson Hall and in East and West Divinity Halls, but early application is necessary to secure them.

For further particulars, inquiries may be addressed to Professor Theodore S. Woolsey, Acting Dean of the Faculty, or to Professor William F. Foster, Secretary of the Faculty.

\* NOTE.—Members of the School in attendance during the school year 1902-3 are entitled to complete their course and obtain their degrees at the rate of tuition previously in force.

**PART IV**

**INSTITUTIONS CONNECTED WITH THE  
UNIVERSITY**





## LIBRARIES

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ADDISON VANNAME, M.A., *Librarian*

FRANKLIN BOWDITCH DEXTER, LITT.D., *Assistant Librarian*

JOEL SUMNER SMITH, B.A., *Assistant Librarian*

ANDREW KEOGH, *Librarian of the Linonian and Brothers Library*

ANNIE ELIZA HUTCHINS, *Assistant*

HENRY ROBERT GRUENER, *Assistant*

Mrs. HENRIETTA CLARK GILBERT, *Assistant*

Mrs. JESSIE CRAIG HARGER, *Assistant*

GEORGE ALEXANDER JOHNSON, *Assistant*

GEORGE BLAKEMAN LOVELL, B.A., *Assistant*

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The whole number of volumes in the several libraries of the University is about 360,000.

The Standing Committee in charge of the University Library, appointed by the Corporation, consists of President HADLEY, Professors DAY, FISHER, LOUNSBURY, DANA, SEYMOUR, FARNAM and ELY, and the Librarian.

The UNIVERSITY LIBRARY contains about 280,000 volumes and many thousands of unbound pamphlets. For some years past the average annual increase has been more than 10,000 volumes. Of current periodical publications, including publications of learned societies, the Library receives not less than one thousand, about one-half of which are foreign. While designed especially for the use of the officers, resident graduates, and students of the several Departments of the University, other persons may have the privilege of consulting and, by permission of the Library Committee, of drawing books. The Library is open daily, except Sundays, in term-time, from 9 A. M. to 5 P. M.; the reference-library and reading-room is open until 9 P. M. In the Winter vacation and through July the Library is open during the morning hours, and in the

rest of the Summer vacation on Monday, Wednesday, and Saturday mornings.

The new Library building, erected by the munificence of the late Hon. Simeon B. Chittenden, of Brooklyn, N. Y., began to be occupied in 1890.

The LINONIAN AND BROTHERS LIBRARY, occupying the south wing of the old Library building, contains about 23,500 volumes, to which additions of several hundred volumes, chiefly of the best current literature, are annually made. It is designed primarily for the use of the students, and is open in term-time, daily, except Sundays, from 9 A. M. to 5 P. M. In vacations it is open on Monday, Wednesday, and Saturday mornings.

In addition to the periodicals received at the University Library, there will be found in the Reading-room (in the north wing) fifty-six daily newspapers, American and foreign, fifty-four weeklies, and sixty-six other periodicals. This is open daily in term-time from 9 A. M. to 8 P. M. (on Sundays from 1.30 to 8 P. M.).

The DWIGHT HALL LIBRARY, which is open daily from 8 A. M. to 9 P. M., contains nearly 1,000 volumes, selected mainly with reference to the study of the Bible; together with a Reading-room, in which fifty-six newspapers and periodicals, mostly religious, are on file.

The LAW LIBRARY, containing about 15,000 volumes, among which are included complete sets of the English, American, Irish and Canadian Reports, is on the third floor of the Law School Building; it is open daily, until 9 P. M., in term-time.

The SHEFFIELD SCIENTIFIC SCHOOL LIBRARY, in Sheffield Hall, is a valuable collection of about 7,500 volumes, and in the laboratories of the School are 2,500 additional volumes.

The TROWBRIDGE REFERENCE LIBRARY of the Divinity School, in Bacon Memorial Hall, contains about 4,000 volumes of standard and recent theological literature. It is open in term-time in the afternoons and evenings.

The LOWELL MASON LIBRARY OF CHURCH MUSIC, in West Divinity Hall, is accessible to those interested in the study of this subject. It embraces about 8,000 titles in 4,000 volumes.

The LIBRARY OF FOREIGN MISSIONS, in East Divinity Hall, contains nearly 7,000 volumes, with all the leading missionary periodicals.

The ART SCHOOL LIBRARY consists of about 500 volumes.

There are in addition departmental libraries having approximately the following number of volumes: SCHOOL OF THE FINE ARTS, 500; FOREST SCHOOL, 2,500; PEABODY MUSEUM, 4,500; OBSERVATORY, 4,500; SLOANE PHYSICAL LABORATORY, 1,000; KENT CHEMICAL LABORATORY, 500.

The LIBRARY OF THE MEDICAL SCHOOL is incorporated in the University Library.

The LIBRARY OF THE AMERICAN ORIENTAL SOCIETY, consisting of about 6,000 books and manuscripts, is deposited in the University Library building.

There are also special libraries, amounting in the aggregate to 6,000 volumes, in the rooms of the CLASSICAL CLUB, the PHILOSOPHICAL CLUB, the MODERN LANGUAGE CLUB, and other clubs for the promotion of scholarship and research.

# PEABODY MUSEUM OF NATURAL HISTORY

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## TRUSTEES

PROFESSOR EDWARD SALISBURY DANA, PH.D., *Chairman*  
THE GOVERNOR OF CONNECTICUT, *ex-officio*  
PROFESSOR GEORGE JARVIS BRUSH, LL.D.  
Hon. WILLIAM COLLINS WHITNEY, LL.D.  
Hon. GEORGE PEABODY WETMORE, M.A.  
PROFESSOR CHARLES EMERSON BEECHER, PH.D.  
CORNELIUS VANDERBILT, M.E.

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## CURATORS

CHARLES EMERSON BEECHER, PH.D., *Curator of the Geological Collection*  
ADDISON EMORY VERRILL, M.A., *Curator of the Zoological Collection*  
EDWARD SALISBURY DANA, PH.D., *Curator of the Mineralogical Collection*  
GEORGE FRANCIS EATON, PH.D., *Curator of the Osteological Collection*  
GEORGE GRANT MACCURDY, M.A., *Curator of the Anthropological Collection*

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In 1866, George Peabody, of London, but of Massachusetts birth, entrusted to a board of Trustees, selected by himself, the sum of \$150,000, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of this sum, \$100,000 was devoted by Mr. Peabody to the erection, "on land to be given for that purpose by the President and Fellows of Yale College, of a fire-proof building," "planned with special reference to its subsequent enlargement," to be, "when completed, the property of Yale College." Of the remainder of the gift, \$20,000 was set apart to "accumulate as a building fund,"

and \$30,000 to meet by its income from investment the expenses attending "the care of the Museum, the increase of its collections, and the general interests of the departments of science before named."

Ten years later, in 1876, the first wing of the Museum—the part now standing—was completed and furnished with cases at a cost of \$175,000, the whole outlay being met by the accumulated building fund. The central part of the projected structure and the South wing—which will extend it to Library street—remain to be built whenever the means available for the purpose shall be adequate. The central part is much needed, as only a small part of the specimens secured can now be placed on exhibition.

The first floor of the building is devoted to the department of Mineralogy and to the purposes of a large lecture-room. The minerals occupy cases in the west room, the door of which fronts the entrance to the Museum. The minerals of the Gibbs collection, deposited by Col. George Gibbs with the College in 1809-10, and purchased in 1825 at a cost of \$20,000, and the extensive accumulations since made, are here preserved and for the most part on exhibition, making it one of the largest public collections in the country. Besides minerals, the exhibition-room contains one of the largest collections of meteorites in the country. Among the specimens, there are the famous mass of meteoric iron from Texas, weighing 1635 pounds; some hundreds of meteorites, large and small, all of which came from a single fall in Iowa, in May, 1879; the interesting Weston meteorite, which fell in Weston, Connecticut, in 1807, and was soon after described at length by Professors Silliman and Kingsley; besides many others of special interest. An important recent addition is a collection of meteorites numbering nearly one thousand, which came from the great meteoric fall of May 2, 1890, in Winnebago County, Iowa; still another is the Jerome (Gove Co.), Kansas, meteorite weighing 65 pounds. At the occasion

of the recent Bicentennial celebration, the collection of meteorites brought together by Professor H. A. Newton during the latter part of his life, was presented to the Museum by his daughters as a memorial of him. This collection numbers about one hundred falls, and includes many rare specimens, and a number of which are not otherwise represented in the Museum. The collection has not only a large intrinsic value, but is also particularly interesting because of the contributions which Professor Newton made to the Department of Meteoric Astronomy. The specimens are preserved together in a special case. A case in the center of the room contains a large and beautiful collection of Chinese artistic work in stone, chiefly in jade and agate, with other like objects, bequeathed by Dr. S. Wells Williams, who was for forty-three years in China as Christian philanthropist, editor, author, and attaché to the American legation, and for some years before his decease was the Professor of Chinese in the University. A large room on the same story is arranged for mineralogical and blowpipe instruction, with desks and a students' cabinet of minerals, under the charge of Professor Penfield. An adjoining room contains the laboratory of Physical Mineralogy ; also the library and cabinet of Professor Brush, which add greatly to the means of study and investigation in Mineralogy.

The second floor is given up to Geology and Paleontology. The southern room contains vertebrate fossils. The latter are mostly collections made by Professor Marsh, in the Rocky-Mountain region and other parts of the West, and presented to the University. In the center of the room is a large slab containing the skeleton of a Cretaceous Dinosaur (*Claosaurus*) measuring more than twenty-nine feet in length by thirteen feet in height ; the pelvis and hind limbs of *Brontosaurus*, one of the largest of the Dinosaurs ; a restoration of *Dinoceras*, a large horned mammal from the Eocene of Wyoming ; a slab showing the skeleton of a Mosasaur from the Chalk of Kansas ; also

a case containing the nearly complete skull of *Triceratops*, a gigantic Dinosaur from the Cretaceous of Wyoming. The first horizontal case to the left of the entrance contains specimens of toothed birds, mainly *Hesperornis* and *Ichthyornis*, discovered by Professor Marsh in the Cretaceous rocks of Kansas. Near by, in the first vertical case against the wall, are the bones of a large Mastodon from the Post-Pliocene of southern New York. In the second wall-case on the east side are the huge bones of the Miocene *Brontotheridae* from Dakota and Nebraska. In the two wall-cases at the southeastern corner are remains of Crocodiles, Turtles, and Dinosaurs. In the horizontal case adjoining may be seen two skeletons of gigantic Moas (*Dinornis*), extinct birds from New Zealand. The horizontal case to the right of the entrance and the wall-case adjoining it on the west contain the remains of another Jurassic Dinosaur (*Stegosaurus*), about thirty feet long, which, as the specimens show, had very large plates along the back, and four pairs of immense spines on the tail. A horizontal case on the south side of the room contains the feet of various animals, and among them the bones of the feet of three-toed and four-toed horses from the Tertiary of Nebraska and Wyoming. In the wall-case south of this are remains of the extinct Irish Elk, and over the case is the skull with the large antlers complete. At the southeastern corner of the room, the wall-cases contain the bones of *Morosaurus*, another Jurassic Dinosaur, and part of a thigh bone of *Atlantosaurus*, the largest of Dinosaurs and of land animals yet known. In another horizontal case is a series of Mesozoic mammals, together with three skeletons of Dinosaurs from the Connecticut River sandstone, near Manchester, Connecticut, and a portion of the armor of a crocodilian reptile from New Haven. A small vertical case adjoining contains the mounted skeleton of an early Eocene Creodont (*Dromocyon*) related to the Dog family. The two vertical cases in the southwestern corner contain remains of *Dinocerata* and other large mammals.

The western exhibition-room is occupied mainly by a collection of invertebrate fossils, arranged zoologically. The first vertical case on the south is devoted chiefly to fossil sponges, among which the series of *Brachiospongidae* is the most notable. Then follow two cases of corals, with many fine examples from Kentucky, Ohio and New York. The nine succeeding cases contain collections of crinoids, trilobites, crustacea, bryozoa, and fossil shells. A small wall-case contains a restoration, natural size, of a giant Arthropod (*Stylonurus*) from the Devonian of New York and Pennsylvania. Two large wall-cases on the eastern side of the room exhibit slabs and tablets of crinoids, mostly from Indiana. A third wall-case encloses a large slab measuring four by six feet, showing nearly thirty species of fossils represented by upwards of one hundred and forty individuals. A fourth wall-case contains a slab measuring nearly five by seven feet, preserving on its surface over two hundred individuals of *Uinta-crinus* from the Chalk of Kansas. One table-case contains many type-specimens illustrating the development, structure, and classification of Trilobites, and a second is devoted to recent Brachiopods, of which the museum has an extensive collection. On the floor is a series of large fossil trunks of Cycads from the Black Hills.

Of the large collection of foot-prints belonging to the University, only a few fine slabs are on exhibition. One of the most interesting is a slab about twelve feet long, covered throughout with raindrop impressions, and, besides these, two series of footprints of biped reptiles, one line of them extending the whole length of the slab.

The third story is occupied with the zoological collections, so far as there is room for their exhibition. The general zoological collection occupies the western room; and nearly the whole has been accumulated since Professor Verrill took charge of the department. The specimens are well arranged for exhibition and all labelled. Facing the south door stands a vertical case devoted to the



Sponges, among which are many species of the siliceous or glass sponges (*Euplectella*, etc.). Beyond the sponges, twelve cases are filled with the collection of corals, which is one of the most extensive in the country. These are followed by the Echinoderms, etc. Several cases are devoted to a collection of the marine invertebrates of New England, which is nearly complete. Other cases contain special collections of the shells and corals of the Pacific Coast of America ; of the corals of Bermuda ; of the shells of Florida, etc. The collections are rich in species from the deep-sea dredgings in the Atlantic, but only a small part is on exhibition. Overhead are models of two of the huge Cephalopods of the world : one, of twice the natural size, an Octopus from California, twenty-eight feet in diameter (between the tips of the opposite arms), and the other, of natural size, a species of the Newfoundland seas, related to the Squids, having enormous eyes, and a length, from the posterior extremity to the tips of the longer arms, of forty-two feet. The models were made for the zoological department by Mr. J. H. Emerton.

The southern exhibition-room of the zoological story contains a collection of skeletons in cases on its east and south sides, beginning near the door. These were presented by Professor Marsh. The skeletons of mammals, beginning with man and the apes, occupy all the east side ; and then come the birds, reptiles, and fishes. The rest of the cases are occupied with collections of vertebrates, both mounted and alcoholic, including a nearly complete series of the species inhabiting New England.

The second and third stories have also large laboratories and workrooms, devoted mainly to the department represented in the exhibition-rooms of the same floor. Those of the second or geological story are in charge of Professor Beecher ; and those of the third or zoological story, besides serving for workrooms, are for the laboratory exercises and instruction of students in General Zoology under Professor Verrill. These rooms contain also large col-

lections of specimens arranged in drawers and trays, which are open to special students in the department.

In the fourth story is a large Anthropological collection, much of which was presented to the University by Professor Marsh. The arranged collections comprise: a classified series of objects representing the Stone Age; the Egyptian collections received from the Egyptian Exploration Fund and the Barringer collection; the Mr. and Mrs. William H. Moseley collection of Indian basketry; the Benjamin Hoppin collection from Greenland, and other smaller series. The remaining rooms on the fourth floor and in the attic are in use for storage purposes.

The basement is devoted to workrooms and storerooms, and contains a vast amount of specimens, in the departments especially of Paleontology and Zoology. This part of the building is closed to visitors.

The exhibition-rooms are open from 9 A. M. to 6 P. M., except in the winter, when the hours are from 9 A. M. to 5 P. M. The janitor of the building is Mr. J. Rice, 92 High street.

# THE OBSERVATORY

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## BOARD OF MANAGERS

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The OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, of New Haven, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by the late Mr. Edward M. Reed, of New Haven, and an equatorially mounted set of Cameras for photographing meteors.

Besides its ordinary astronomical work, the Observatory maintains two public services. Continuous time-signals are transmitted from the distributing clock at the Observatory to the railroads and elsewhere. The Observatory offers facilities also to persons interested in accurate thermometry for the comparison of thermometers with standard instruments.

For the proper performance of these services the following equipment is in use :

1. Standard clocks, a transit instrument, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. Apparatus for research and comparison in thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.

Descriptive circulars of the thermometric service may be obtained by addressing the Observatory.

By the will of Professor Elias Loomis, who died in 1889, the Observatory receives one-third of the income, and will ultimately receive the entire income, of a fund established by him and called the *Loomis Fund*. The income received is to be applied to one or more of the following objects only, namely, the payment of the salaries of observers whose time is exclusively devoted to the making of observations for the promotion of the science of astronomy, the reduction of astronomical observations, and the defraying the expense of publishing these observations and of publishing investigations based upon astronomical observations. The principal of the Loomis Fund is over three hundred thousand dollars.

## THE UNIVERSITY CHURCH

The privileges of THE CHURCH OF CHRIST IN YALE UNIVERSITY are extended to all students of the University. The services are held in the BATTELL CHAPEL, a building completed in 1876, and erected mainly through the generosity of Mr. Joseph Battell of New York City.

The services in the Chapel are three-fold :

(1.) PRAYERS are held daily (Sunday excepted) at 8.10 A. M. The attendance of all students in the Academical Department is required. The services, which consist of Reading of the Scriptures, Prayer and Singing, are conducted this year by the following officers of the University :

Professor Perrin.	Professor Seymour.
Mr. Stokes.	Professor Sanders.
Professor Sneath.	Professor Kent.
Professor C. S. Baldwin.	Professor Schwab.
Professor Reed.	

(2.) PUBLIC WORSHIP is held every Sunday at 10.30. Attendance of students in the Academical Department is required, unless they obtain special permission from the Dean to worship elsewhere. Appointments for the Sunday services are made by a Joint Committee of the Corporation and Faculty, who endeavor to select as preachers those who, by their daily contact with active life and their knowledge of young men, are especially fitted to reach and influence a College audience. The income of the Chittenden Professorship of Divinity fund is at present used to maintain the Sunday preaching, the preachers having also pastoral duties in connection with their work. The preachers for the present year are as follows :

- Sept. 28. President Hadley.
- Oct. 5. Rev. Lyman Abbott, D.D., New York City.  
12. Rev. Charles E. Jefferson, D.D., New York City.  
19. Rev. Professor Henry Van Dyke, D.D., LL.D., Princeton University.  
26. Rev. George A. Gordon, D.D., Boston, Mass.
- Nov. 2. Rev. Professor Benjamin W. Bacon, Litt.D., D.D., Yale University.  
9. Rev. Albert J. Lyman, D.D., Brooklyn, N. Y.  
16. Rev. Alexander McKenzie, D.D., Cambridge, Mass.  
23. Mr. Robert E. Speer, M.A., New York City.  
30. Rev. George Hodges, D.D., LL.D., Cambridge, Mass.
- Dec. 7. Rev. Joseph H. Twichell, M.A., Hartford, Conn.  
14. Rev. H. Parkes Cadman, D.D., Brooklyn, N. Y.
- Jan. 11. Rev. President Henry Hopkins, D.D., Williams College.  
18. Rev. Professor Francis G. Peabody, D.D., Harvard University.  
25. Rt. Rev. Henry Codman Potter, D.D., LL.D., New York City.
- Feb. 1. Rev. James G. K. McClure, D.D., Lake Forest, Ill.  
8. Rev. Amory H. Bradford, D.D., Montclair, N. J.  
15. Mr. John R. Mott, M.A., New York City.  
22. Rev. William R. Huntington, D.D., New York City.
- Mch. 1. Rev. President Andrew V. Raymond, D.D., Union University.  
8. Rev. William O. McDowell, Ph.D., D.D., New York City.  
15. Rev. William S. Rainsford, D.D., New York City.  
22. Rev. Donald Sage Mackay, D.D., New York City.  
29. Professor George H. Palmer, LL.D., Harvard University.
- Apr. 19. Rev. Edward Everett Hale, D.D., LL.D., Boston, Mass.  
26. Rev. Professor J. S. Riggs, D.D., Auburn Theological Seminary.
- May 3. Rev. President William DeWitt Hyde, D.D., LL.D., Bowdoin College.  
10. Rev. H. P. Dewey, D.D., Brooklyn, N. Y.  
17. Rt. Rev. William Lawrence, D.D., Boston, Mass.  
24. Rev. President George Harris, D.D., LL.D., Amherst College.  
31. Rev. President William H. P. Faunce, D.D., LL.D., Brown University.

- June 7. Rev. William R. Richards, D.D., New York City.  
14. Rev. President Charles Cuthbert Hall, D.D., Union  
Theological Seminary.  
21. President Hadley.

(3.) A COMMUNION SERVICE is held on the first Sunday of each month in term time. It is conducted by the Acting Pastor of the College Church, Rev. Professor Bacon, assisted by the preacher of the morning. The invitation to it is extended by the President to "all who have professed or would profess themselves followers of the Lord Jesus Christ."

## THE INFIRMARY

The YALE INFIRMARY is situated on Prospect street in a healthy and beautiful part of the city. It was built in 1892 at a cost of about \$40,000, raised by subscription among friends of the University. One dollar is charged on the Treasurer's bill for each day that a student remains in the Infirmary. Mrs. Anderson, a competent matron, is in residence, but the choice of physician rests with the patient.

## THE DINING HALL

The YALE DINING HALL is situated in University Hall, and furnishes board at cost (approximating \$4.25 per week). The Hall contains seats for 1,008, and is open to the officers and students of the University. The bills for board of students in the College and in the Sheffield Scientific School will be charged on the regular term bills. Meals will be furnished to visiting graduates, and to friends of the regular boarders, at the rate of 25c. for luncheon or breakfast, and 30c. for dinner. Application for board should be made at the office of the Superintendent, Mr. F. T. Deshon, at the east end of University Hall.



# THE GYMNASIUM

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## ADVISORY COMMITTEE

MORRIS FRANK TYLER, M.A., LL.B.

WILLIAM GILBERT ANDERSON, M.D.

JOHN EDWARD HEATON, ESQ.

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The GYMNASIUM is designed to provide all students of the University, not only with opportunities for general exercise, but also with the means of caring for the body in accordance with the laws of hygiene. It also provides for specific training in view of any physical defects that may be remedied by rational superintendence.

The Department is under the supervision of two Associate Directors, both of whom are trained physicians.

The gymnastic training is designed to be progressive from year to year. The members of the different classes may take exercises in the various forms of gymnastics under the instruction of the Directors, and any student may enter the classes in general gymnastics. An instructor is always present in the main exercise-hall to direct individual or class work. All students requiring such care are assigned exercises suited to their special needs.

A thorough physical examination and measurement is offered each student yearly, and a record of the results is kept as a basis of advice as to exercise and regimen. An examination of these records shows that the standard of health of the average student improves during his college course.

For the welfare of the students the following rule has been passed by the Corporation :

Required that every man who presents himself for exercise in the gymnasium, or who desires to use its privileges, should first submit to

a physical examination by one of the Directors ; or, in default of such an examination, should bring from his physician a written certificate (the form to be furnished by the Director) that he is physically sound ; or a written certificate from his parent or guardian that he wishes the student excused from the examination and that he himself will take the responsibility of exercise without a previous examination.

An elective course is provided for the College Senior and Junior classes as set forth in the prospectus of elective studies. p. 156, XXIV A 1. This provides training in hygiene and gymnastics for those who intend to teach or to supervise the work of physical training in educational institutions. Dr. Seaver gives a course of lectures on elementary physiology and sanitary science. Dr. Anderson gives lectures and lessons in the theory and practice of gymnastics.

The new Gymnasium, erected by graduates for the use of the University, was opened in 1892. The arrangement of the building is in general as follows : the location is on the north side of Elm street, and the front is 138 feet, while the depth is 86 feet. The entrance is by an archway at the east end, which leads through the building to a large lot in the rear that affords room for outdoor exercises, such as throwing the hammer, putting the shot, hurdling, pole-vaulting, jumping, etc.

The basement is reached by an entrance from the lot, and contains an engine-room, a laundry, a bath room with tubs, each provided with a shower and douche, toilet rooms, a room with two bowling alleys, and a room for baseball teams.

The first floor contains the spacious entrance-hall, or vestibule, a dressing room for athletes, with bath and toilet rooms for their special use, a complete equipment of lockers, bath, a swimming-pool (28 x 50 feet), a Turkish bath, and two rowing-tanks large enough for eight-oar crews.

The rooms devoted to sparring, wrestling, hand ball and fencing have been lately improved and equipped. The bowling alleys have also been put in better condition.

Opportunity for the members of the Faculty to use the gymnasium is offered, a special dressing room is placed at their disposal and certain evenings may be selected for bowling, fencing or general exercise.

The Gymnasium is open from 9.30 in the morning until 8.30 at night. Graduate and undergraduate students are entitled to the use of the tub and Turkish baths upon the payment of a small fee.

## THE ATHLETIC FIELD

The Athletic Grounds of the University, known as the YALE FIELD, are open to the students of all departments. Over twenty years ago the project was advanced of securing a suitable field where the students might obtain the physical exercise so conducive to health and to the best mental effort. A committee consisting partly of graduates and partly of undergraduates was then formed, and it was decided to purchase a tract of land, consisting of some thirty acres, lying just beyond the Orange town line, and a mile from the Campus. Subscriptions were started, and in 1882 the field was purchased, the cost being about \$22,000 for the land itself, and \$31,000 more for its immediate grading and preparation. It was necessary, in addition to subscriptions, to borrow an amount of \$21,000. The field thus purchased lies on the bank of West River on a bluff rising some forty feet above the river bed and extending westward. Just beyond it rises Edgewood Hill, and to the north stands West Rock, while towards the south is Long Island Sound, and east is the city and the University. The trolley cars run to the gate.

One of the original articles of incorporation provided for the turning over of the field to the University, and it is towards this end that the Yale Field Corporation has been working for many years. It was impossible that the University should accept the property while it was mortgaged or in debt. Last year the final payment on the mortgage was made and the field has now been deeded over to the University; a property representing an original expenditure of some \$53,000, to which, for maintenance and improvements, a sum of nearly \$100,000 has been added, the bulk of which has come from the athletic associations in gate receipts.

The Yale Field has several baseball and football fields, a quarter mile running track with a 220-yard straight away, football grandstands accommodating 25,000 people, and a covered baseball stand seating over 3,000. There is a small section to the southwest not yet fully graded which will add room for some other sport when it shall be needed.

The articles under which the Corporation was formed provide that the grounds shall be managed by persons connected with Yale University for athletic games and exercises, and for out-door recreation, to encourage such games, exercises, and recreation in the University, and to take, buy, own and hold property necessary or proper therefor. The University, having taken over the property, will see that the purposes for which it was purchased are duly protected and the athletic interests properly conserved.

## THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The YOUNG MEN'S CHRISTIAN ASSOCIATION of Yale University is organized on a University basis. The headquarters of the Academical, Graduate and Law Departments are in Dwight Hall, which was erected in 1886 through the generosity of Mr. Elbert B. Monroe, of Southport, Connecticut. Dwight Hall is a stone building situated on the College Square and is admirably adapted to be the center of the religious life of the University. It contains a convenient reading room, a carefully selected library, an auditorium for general religious services, separate rooms for the Bible classes and prayer meetings of the various college classes, as well as quarters for the University General Secretary and the Academical General Secretary, who are recent graduates. They are elected annually and have immediate supervision respectively of such Association work as is common to all the University and such as relates to the Academical Department exclusively. The Academical General Secretary has immediate supervision of the building. The Secretary of the Graduate and Professional Departments also has his office in Dwight Hall.

The "management and control" of Dwight Hall rest, in accordance with the expressed wish of the donor, in the Corporation of the University. There is, however, a Graduate Advisory Committee known as the Board of Directors, elected by the members of the Association and consisting at present of the following: Mr. William Sloane, '95 (term expires 1907), Chairman; Mr. J. B. Reynolds, '84 (term expires 1904), Secretary; Mr. S. H. Fisher, '89 (term expires 1903), Treasurer; and Messrs. R. C.

Morse, '62 (term expires 1906), J. G. P. Stokes, '92 S. (term expires 1905), V. S. McCormick, '93 S. (term expires 1908), and E. S. Harkness, '97 (term expires 1909). The actual planning and carrying out of the organized religious work of the University is in the hands of the various executive committees of the different departments of the Association. This work consists of classes for Bible study, prayer and the study of missions; deputations to preparatory schools, colleges and churches; aid for new students in obtaining board and rooms; the conduct of city missions, Sunday schools and boys' clubs; together with other philanthropic and church supply work. The class Deacons of the Academical Department, elected by the members of each class in Sophomore year, and the class Deacons of the Sheffield Scientific School, elected by the members of each class at the end of Freshman year, assume the general direction of the religious work in their classes, while for special activities committees are appointed.

The headquarters of the Sheffield Association are to be on the second floor of the new Byers Memorial Hall (see page 248). An auditorium, a carefully selected Library, and separate class rooms will be devoted to the various uses of the Association. There are also on this floor quarters for the Sheffield Scientific School General Secretary.

The different departments of the Association are bound together by a University Council composed of the chief officers of the departments.

## THE YALE STATION, UNITED STATES POST OFFICE

The YALE STATION, a branch of the New Haven Post Office, was established October 1st, 1900, for the purpose of affording the best possible mail service for members of Yale University. The office is equipped with one thousand lock boxes, there being no carrier delivery. Each college room is assigned a lock box and a nominal rental is charged on the term bill. Members of the University residing outside of the dormitories may be assigned a box upon application to the Superintendent of the Station, Mr. Thomas F. Clark. All box holders are obliged to procure a box key. There are five mails received and the same number despatched each week day, one on Sunday and two on legal holidays. These mails are arranged to meet the important trains. The schedule of arrival and departure of mails can be found on the official bulletin-board in the Post Office corridor.

The office conducts all branches of the postal service and is entitled to all the privileges of a first-class office, including the sale of stamps and stamped paper, a registered mail department and postal money order service, both Domestic and International.

The station is located in Fayerweather Hall, and is central to all departments of the University.



## THE BUREAU OF SELF HELP

The BUREAU OF SELF HELP, 4 Phelps Hall, is open to needy students in any department of the University.

The work of this Bureau is to obtain employment for students of the University and for graduates, and the assignment of beneficiary aid to students in the Academical Department. All students who desire employment in order to assist in paying their way, and all persons who have work of any sort which students can do, are requested to inform this office. Students who are about to graduate and graduate students, who desire positions, especially as teachers, should apply to this Bureau, where also applications for teachers may be made. Also those students in the Academical Department who need abatement of tuition should make application for it to this Bureau before October 15th in each year of the college course.

A pamphlet, entitled "Self-Help at Yale" and giving an account of the various means by which students help work their own way through college, will be sent on application.



PART V

UNIVERSITY LECTURE COURSES  
AND PRIZES



# THE PUBLIC LECTURE COURSE

UNDER THE AUSPICES OF

YALE UNIVERSITY

AND THE

NEW HAVEN UNIVERSITY EXTENSION CENTRE

A series of thirty lectures under the above title has been arranged for the season of 1902-1903. This course, established in 1900, is under the joint auspices of Yale University and the New Haven University Extension Centre. It represents a popular presentation of systematic instruction in Literature, Science, History, Art, and Music. The subjects in general are treated in a more scholarly manner than in the magazines, although they are presented in popular language. A number of the lectures, especially those in Science and Art, are illustrated by lantern slides and apparatus, while musical lectures are accompanied by vocal and instrumental selections.

Most of the lectures are given in connected courses. A syllabus for each of such courses, together with a selected list of books for collateral reading, is issued.

These lectures for the most part are given in College Street Hall, Yale University. Those requiring the use of the lantern and specially devised apparatus are held in North Sheffield Hall. As a general rule, lectures are given on Wednesday and Friday evenings. The price of a season ticket is three dollars. This also admits to the course of Sheffield Lectures.

Letters of inquiry may be addressed to Mr. Willis K. Stetson, Free Public Library, where circulars may always be found giving dates of lectures, etc.

The list of lectures in this course for the year, not including the ten Sheffield Lectures, follows :

Mr. MARSHALL DARRACH,  
Dramatic Recital—Twelfth Night.  
Dramatic Recital—Romeo and Juliet.

Rev. HENRY VANDYKE, D.D., LL.D.,  
Byron.

GEORGE WASHINGTON CABLE, Litt.D.,  
Reading—Grande Pointe.

Mr. EDWARD HOWARD GRIGGS,  
Martin Luther.  
Victor Hugo.  
Emerson.  
Tolstoi.

Rev. LYMAN ABBOTT, D.D., LL.D.,  
Our Industrial Problems.

Mr. GEORGE RIDDLE,  
Dramatic Reading—The Tempest.  
Dramatic Reading—Hamlet.

BLISS PERRY, L.H.D.,  
Patriotic Poetry.  
Literary Fashions.  
Hawthorne.  
Stevenson.

Rev. JAMES MONROE BUCKLEY, D.D.,  
Shakespeare's Lunatics.

Professor WILLIAM HENRY GOODYEAR, M.A.,  
First Impressions of a Tourist in Rome. (Illustrated.)

Mr. ERNEST THOMPSON SETON,  
Animal Minds and Heroes. (Illustrated.)

Mr. THOMAS WHITNEY SURRETTE,  
Musical Lecture. (Illustrated.)  
Old Ballads and Dances.

Professor EMERY,  
The New Protectionism.

# UNIVERSITY LECTURES AND CONCERTS

## LECTURE COURSES

In addition to the Yale Public Lectures and the courses regularly offered in connection with the Curriculum, there is a large number of LECTURE COURSES given under the auspices of the various University departments and organizations. These lectures are open to all students of the University.

The LYMAN BEECHER LECTURES ON PREACHING. This lectureship was founded in 1871 by a gift of ten thousand dollars from the late Henry W. Sage, then of Brooklyn, N. Y. It is filled by the appointment, by the President and Fellows, of a minister of the Gospel, of any evangelical denomination, who has been markedly successful in the special work of the Christian ministry. The lecturer for this year is Rev. George A. Gordon, D.D., of Boston, Mass. The subjects of the lectures are as follows :

1. The Quest for a Theology.
2. The Individual Ultimate: Personality.
3. The Social Ultimate: Humanity.
4. The Historical Ultimate: Optimism.
5. The Religious Ultimate: Jesus Christ.
6. The Universal Ultimate: The Moral Universe.
7. The Absolute Ultimate: God. (a) His Evidence.
8. The Absolute Ultimate: God. (b) The Trinitarian Conception.

The SILLIMAN MEMORIAL LECTURES, on subjects connected with "the natural and moral world," were established by the will of the late Augustus Ely Silliman, of Brooklyn, N. Y., who died in 1884. The Mrs. Hepsa Ely Silliman Memorial Fund which supports this lectureship, amounting to eighty-five thousand dollars, did not come

into the possession of the University until 1901. The first lectures on this foundation are to be given during the present University year by Professor J. J. Thomson, Professor of Experimental Physics in Cambridge University, Cambridge, England.

**THE DODGE LECTURES ON THE RESPONSIBILITIES OF CITIZENSHIP.** This lectureship, founded in 1900 by a gift of thirty thousand dollars from William E. Dodge, Esq., of New York City, has as its object the promoting among "students and graduates, and among educated men of the United States, an understanding of the duties of Christian citizenship and a sense of personal responsibility for the performance of those duties." The lecturer for last year was Rt. Rev. Henry Codman Potter, D.D., LL.D., of New York City.

**THE TROWBRIDGE LECTURE COURSE.** This course was established in 1899 through a gift of five thousand dollars from Rutherford Trowbridge, Esq., of New Haven. This gift constitutes the Thomas R. Trowbridge Fund. The lectures are given every year in the School of the Fine Arts. The lecturer for this year is Professor William H. Goodyear, M.A., of the Brooklyn Institute, and his subjects are as follows :

1. The Early Christian Basilica.
2. Romanesque Cathedrals of Northern Europe: Constructive Forms.
3. Romanesque Cathedrals of Northern Europe: Decorative Forms.
4. Gothic Cathedrals of Northern Europe ; Constructive Forms.
5. Gothic Cathedrals of Northern Europe ; Decorative Forms.

A sixth lecture in this course will be given by Professor Weir on Velasquez.

**THE BROMLEY LECTURES ON JOURNALISM, LITERATURE, AND PUBLIC AFFAIRS.** These lectures are provided for by the gift to the University in 1900 of five thousand dollars. It is the wish of the donor, Mrs. Adelaide E. Bromley, that the lectureship should be a memorial to her husband, the late Isaac H. Bromley, of the class of 1853. Two or more lectures are given annually by men of distinction,



on subjects connected with Journalism, Literature, or Public Affairs, it being understood that a lecture on Journalism be arranged as often as once in four years. The lecturer for this year is Mr. Frank Andrew Munsey, of New York City.

The DWIGHT HALL LECTURES, arranged for by the Yale Young Men's Christian Association, are given every year by men of distinction. The subjects treated are mainly of a moral and religious character.

The SHEFFIELD LECTURES (formerly the Mechanics' Course) are provided by the authorities of the Sheffield Scientific School. The subjects cover a broad field, and the lectures are often illustrated.

The AMERICAN LECTURES ON THE HISTORY OF RELIGIONS are given at the University annually by some distinguished foreign scholar who visits this country under the auspices of several of the leading universities.

The MEDICAL ALUMNI LECTURES, two in number, are given annually.

The PHI BETA KAPPA Society, the KENT CLUB of the Law School, the LEONARD BACON CLUB of the Theological School, and the SIGMA XI Society, also arrange for public lectures from time to time.

Two special series of University Lectures to be given this year are by Professor Ladd, on "The Philosophy of Religion," and by various members of the University Faculty on "Practical Pedagogy."

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The BERKELEY SERMONS are given under the auspices of the Berkeley Association of the University, in one of the Episcopal churches of the city. The general subject for this year is the History of the Church from the Reformation. The list of preachers follows:

Rev. S. N. GRISWOLD, D.D., Hudson, N. Y.

Rev. GEORGE McLELLAN FISKE, D.D., Providence, R. I.

Rev. HENRY LUBECK, LL.D., D.C.L., New York, N. Y.

Rt. Rev. LEIGHTON COLEMAN, D.D., Delaware.

Rev. JAMES O. S. HUNTINGTON, O.H.C., Westminster, Md.

## CONCERTS

The following opportunities in Music are open to all students of the University, a small fee being charged for the Chamber and Symphony Concerts.

**THE CHAMBER CONCERTS.** Three concerts will be given during the winter months by the Kneisel Quartette of Boston, and one by the Adamowski Trio.

**THE SYMPHONY CONCERTS.** These concerts, three in number, are given by the New Haven Symphony Orchestra, Classical and modern programmes are rendered, with the assistance of the best solo talent.

**ORGAN RECITALS.** Recitals will be given in the Battell Chapel by Professor Jepson, on Monday afternoons during the Winter term.

**THE NEWBERRY MEMORIAL ORGAN,** given to the University through the generosity of Mrs. Helen H. Newberry, of Chicago, Ill., has been completed and will be installed in Woolsey Hall before Commencement, 1903. The organ, which has been constructed by the Hutchings-Votey Co., of Boston, Mass., under specifications prepared by Professor Sanford, of the Department of Music, takes rank among the great instruments of the world. With the installation of the Newberry Memorial Organ, the musical opportunities of the University will be greatly increased.

## COURSES FOR TEACHERS

The following courses given by members of the Faculty of the University are open to Teachers of Public and Private Schools :

Professor ARTHUR M. WHEELER, <i>Modern European History.</i>	1 hr.
Professor GEORGE T. LADD, <i>Psychological Theory.</i>	2 hrs.
Professor E. HERSHEY SNEATH, <i>Educational Theory and Practice.</i>	1 hr.
Dr. STUART H. ROWE, <i>Practical Pedagogy.</i>	1 hr.
<i>Systematic Pedagogy.</i>	1 hr.
Dr. WILLIAM J. TAYLOR, <i>History of Education.</i>	3 hrs.
Dr. CLOYD N. McALLISTER, <i>Experimental Pedagogy.</i>	1 hr.

The fees for the above courses are ten dollars for each one-hour course and fifteen dollars for each two-hour course or for two one-hour courses.

Those taking any of the above courses are admitted, without charge, to an additional Course of Lectures (some forty in number), by University Professors on the *Equipment and Methods of the Teacher*.

## UNIVERSITY PRIZES

The JOHN A. PORTER PRIZE, of the value of two hundred and fifty dollars, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Any person who has been pursuing a regular course for a degree in any Department during the whole of the current College year, may compete for this prize. If none of the competing essays is of sufficient merit, the prize will not be awarded.

The subjects for Essays in 1903 are as follows :—

1. Industrial War.
2. The Australian Plan of what is commonly called Compulsory Arbitration.
3. The Rights of the Filipino under the Constitution of the United States.
4. The Romans and the Anglo-Saxons, a Parallel or a Contrast.
5. Eleanor of Aquitaine, Queen of France and of England.
6. Recent Developments in the Law of Unfair Competition in Trade.
7. Can Prices be Manipulated by Anybody?
8. Independent Labor Movements in American Politics.
9. President Cleveland and the Democratic Party.
10. The Power of Ritual for the Conservation and Propagation of Doctrine.
11. Christianity and Democracy.
12. The Influence of Horace Bushnell upon American Thought and Life.
13. Ritschl and his School.
14. The Effects of Modern Historical Criticism on the Literary and Devotional Use of the Bible.
15. The Nature of the Authority of Christ as a Teacher of Social Ethics.
16. Sidney Lanier.
17. Present Tendencies in French Literature.
18. Present Tendencies in American Literature.

Essays for the John A. Porter Prize should be plainly marked on the outside, "John A. Porter University Essay for 1903," and should be mailed addressed to the John A. Porter Prize Essay Committee, Drawer 175, New Haven, or left at the office of the Yale Alumni Weekly. Each essay must be typewritten and must be signed by an assumed name and accompanied by the author's real name in a sealed envelope. This envelope must also contain an assignment of copyright, forms for which can be secured at the office of the Yale Alumni Weekly. The essays are due on or before May 1, 1903.

The BENNETT PRIZE, being the income of a fund of one thousand dollars, given in 1893 by James Gordon Bennett, Esq., of New York City, is awarded annually on Commencement Day to that undergraduate member of the Senior class in either the Academical Department or the Sheffield Scientific School, who shall have pursued courses in Political Science and English Literature, and shall have prepared the best essay, in English prose, upon some subject of contemporaneous interest in the domestic or foreign policy of the United States government, selected by the Faculty.

The COBDEN CLUB SILVER MEDAL is awarded annually to that undergraduate of either the Academical Department or the Sheffield Scientific School who shows the greatest proficiency in the elements of Political Economy.

The COOK PRIZE IN POETRY, of the value of fifty dollars, is offered by Professor Cook for the best unpublished poem. Competition is open to students of the University in all departments. If none of the competing poems is of sufficient merit, the prize will not be awarded. Before receiving the prize, the winner must print the successful poem in a manner acceptable to the donor. The poems, each of which should be signed by an assumed name, and accompanied by a sealed envelope containing the writer's full name, will be due on April 1, and may be handed in at the Chittenden Library.

The JACOB COOPER PRIZE IN GREEK PHILOSOPHY, established in 1900 by the gift of five hundred dollars from Professor Albert S. Cook, is awarded in any year by the departments of Greek and Philosophy to such student of the University, being a person of high attainments and ability, as shall pass the best examination in the *Metaphysics* and *Organon* of Aristotle and shall submit the best thesis upon some topic drawn from one of these works and announced publicly at a convenient time in advance.

The GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE, the income of one thousand dollars, founded by George Washington Egleston, Esq., of Eardisley, Herefordshire, England, will be awarded to any student of the University who shall during the ensuing year, by research, discover any new fact or facts relating to American History; or shall from existing data bring to bear any information, or criticism, sufficiently notable to be useful from a literary point of view.

PART VI

DEGREES AND HONORS, 1902





# DEGREES CONFERRED IN COURSE

## BACHELORS OF ARTS

Franklin Abbott	Leonard Theaker Bushnell
Gardner Abbott	John Alexander Callender
Oliver Sidney Ackley, Jr.	Frederic Wells Campbell
Clarence Henry Adams	George Boone Carpenter
Ellis Adams	Walter Lawrence Chamberlain
George Waugh Albin	Harry Baldwin Chamberlin
John deKoven Alsop	Terry Joseph Chapin
Coleman Emanuel Andel	William Lyman Chase
William Gilbert Anderson, M.D. }	Simeon Baldwin Chittenden, Jr.
Western Reserve University 1883 }	Arthur Bryan Clark
Roscoe Whalen Armstrong	Philo Douglas Clark
Anthony Brown Arnold	Oliver Morton Clifford
George Wheeler Babcock	Clement Hale Cochran
Charles Seiser Baer	Percy Bayard Cochran, B.A. }
Phillips Bancroft	Bethany College (W. Va.) 1900 }
Courtlandt Dixon Barnes	Richard Huntington Cole
Francis Blackman Barnett	Charles Harold Collins
Charles Houghton Baxter	Henry Elliott Colton
Raymond Vreeland Baylor	Robert Haskell Cory
Laurance Baldwin Beckwith	Harry Borrows Cox
Krebs Beebe	William Stickney Creevey
Frederick Beers	Alfred Miller Cressler
Raymond Bissell	Charles Cyprian Strong Cushing
Ferdinand Wm. Blumenthal, B.A. }	Carl Willis Davis
Oxford University 1901 }	George Eugene Davis
Dixon Boardman	William Edward Davis, Jr.
Louis Frederick Boder	David Sheldon Day
William Gates Bourn	William Edwards Day
Newton Case Brainard	Sidney Norton Deane
Herbert Bruce Brougham	James Rogers Deering
Irving VanDuyne Brown	Edward Henry Delafield
Jacob Brown	George Allen Dewey
Graham Brush	William LeRoy Dix
Louis Herbert Burlingham	Walter Scott Donat, B.A. }
Frederic Burnham	Western (Iowa) College 1901 }
John Booth Burrall	Robert Bartlett Dresser

Guilford Dudley, Jr., B.A. }  
     Washburn College 1900 }  
 Holland Sackett Duell  
 Marcus Homer Duncan, B.A. }  
     Baylor University 1900 }  
 William Wheeler Duncan  
 Henry Sturges Ely  
 William Dean Embree  
 William Abraham Evans  
 Harold Chester Evarts  
 Willard Horace Fanton  
 Alton Farrel  
 Alfred Ludlow Ferguson  
 Edward FitzGerald  
 Allison Sweeney Fleming  
 Charles Paxson Flora  
 Sterling Thompson Foote  
 Charles Ring Foster  
 Edward Lyttleton Fox  
 Charles Broadus Francis  
 Charles Driver Francis  
 Nathan Roscoe Francis  
 Edward Wiley Frisbie  
 Henry Larned Galpin  
 William Smith Garnsey, Jr.  
 John Stephen Garvan  
 Robert Shaeffer Gast  
 Robert Hale Ives Goddard, Jr.  
 William Benjamin Godfrey, Jr.  
 James Lester Goodwin  
 Percy VanDuzer Gott  
 Charles Gould  
 Edwin Carleton Granbery  
 Robert Perkins Griffing  
 Raymond Gano Guernsey  
 William Potter Haines  
 Arthur Benedict Hall  
 John Raymond Hall  
 Lewis Burton Hall, Jr.  
 Henry William Hamlin  
 John LeRoy Hammond  
 William Hance  
 John Babinger Hart  
 Laurent Heaton

William Worthington Herrick  
 George Ainslie Hewett  
 Theodore Brown Hewitt  
 James Crane Higgins  
 William Alvin Higgins  
 Alfred Reed Hill  
 George Washington Hitner  
 Lucius Hudson Holt  
 Henry Stewart Hooker  
 Philip Mead Howe  
 Samuel Henry Howe, Jr.  
 Harry Mortimer Hubbell  
 James Wakeman Hubbell  
 Brewster Terry Hudson  
 John Joseph Hughes  
 George Huntington Hull, Jr.  
 Joseph Read Hunter  
 Alvan Waldo Hyde  
 Frederick Francis Whitney Jackson  
 George Brown Jackson, B.A. }  
     Western (Iowa) College 1901 }  
 D L James  
 Floyd Welman Jefferson  
 John A. Stewart Johnson  
 Leslie Morgan Johnston  
 Edgar Allen Jones  
 Paul Jones  
 Frederic Rose Keator  
 James Cuyler Kimball  
 Arthur Hurlburt Kinney  
 Walter Martin Krementz  
 Merritt Proctor Lancaster  
 Harry Langdon Laws  
 George Lear, 2d  
 Burton Howard Lee  
 Eugene Heitler Lehman  
 Elisha Sears Lewis, PH.B. }  
     Yale University 1899 }  
 George Gould Lincoln  
 Roy Alton Lincoln  
 George Walter Lindenberg  
 Benjamin Robbins Curtis Low  
 Ethelbert Ide Low  
 Arthur Crosby Ludington

Huc Mazelet Luquiens  
 Willard Blackinton Luther  
 Walter Lester Lyon  
 Thomas Aloysius McAvoy  
 Howard George McDowell  
 John Clute McDowell  
 John Sample McKelvy, Jr.  
 James Nelson Mandeville  
 Alfred Edgerton Manierre  
 Frank Tucker Mason  
 Norman Howell Mason  
 Roy Murdoch Mason  
 Henry Sargent Mead  
 Graham Kingsbury Mellen  
 Payson McLane Merrill  
 Charles Conrad Meyer  
 Christian Meyer, Jr.  
 Charles Duncan Miller  
 Martin Peck Miller  
 Malcolm Moore  
 Rodman Wister Moorhead  
 Binnie Morison  
 Herbert Edwin Morris  
 George Guy Murphy  
 Frank Wells Nevins  
 Downer Hazen Newell  
 Edwin Gates Norman  
 Robert Castle Norton  
 George Woodward Noyes  
 Norman Day Otis  
 Andrew Dickson Packer  
 Albion Gile Peirce  
 Harry Alfred Peters  
 Benjamin Judah Phelps  
 Isaac Gray Phillips  
 Jay Morse Pickands  
 Howard Weidner Pierce  
 William Wallis Platt  
 Lucius Beverly Pond  
 Roderick Potter  
 Thomas Danford Potwin  
 Robert Arthur Pritchard  
 Laurance Blanchard Rand

Kersey Coates Reed  
 Dorrance Reynolds  
 Henry Suydam Reynolds  
 George Irving Rhoda  
 Milo Barnum Richardson, Jr.  
 Edward Hammond Risley  
 Harry Miller Robbins  
 Charles Asaph Roberts  
 Walter Farley Roberts  
 Henry Alexander Rogers  
 Henry Pendleton Rogers, Jr.  
 Frederick William Roman, B.A. }  
     National Normal University 1899 }  
 Albert Edward Roraback  
 Bronson Case Rumsey, 3d  
 Charles Cooke Russ  
 Henry Camp Russ  
 Ralph Ryan  
 Charles Felix Samson  
 Curtiss Aldrich Sanford  
 Hugh Satterlee  
 John Joseph Scanlan  
 Gustav Schwab, 4th  
 George Howard Sellers  
 Henry Stoddard Sherman  
 William Richard Sidenberg  
 Ralph Merriam Simonds  
 Frank Huestis Sincerbeaux  
 Edward Levi Skinner  
 Frank Joseph Sladen  
 Aubrey Adam Smith  
 Charles William Smith  
 Herbert William Smith  
 Keith Smith  
 Scott Lord Smith  
 Keith Spalding  
 Franklin Maynard Spear  
 Lyman Strong Spitzer  
 Edwin Allen Stebbins  
 Porter Steele  
 Melville Alphonse Stern  
 Henry Budington Stoddard  
 Samuel Harold Stone

Rush Sturges  
 Joseph Rockwell Swan, Jr.  
 Henry Lee Sweinhart  
 John Taber  
 Charles Denison Talcott  
 Louis Hart Talcott  
 Morris Gardner Talcott  
 Alan McLean Taylor  
 Howard Frank Taylor  
 Bernard George Teel  
 William Romer Teller  
 John Ferguson Tenney  
 Henry Clarke Thacher  
 John Hudson Thomas  
 Charles Seymour Thompson  
 Norman Campbell Thorne  
 Richard Barber Tillinghast  
 Harry Warren Tompkins  
 Mason Trowbridge  
 Thomas Nugent Troxell  
 Willis Gaylord Tucker, Jr.  
 James Alden Valentine  
 Reginald Claypool Vanderbilt  
 Dorr Viele

Joseph Hill Walker  
 Lewis Frederick Walton  
 George Burwell Ward  
 Henry Goodman Waters  
 Arthur Yancey Wear  
 Bradley Agard Welch  
 Paul Hamilton Welch  
 Henry Frank Wells  
 John Jared Welsh  
 Homer Augustus Wessel, Jr.  
 Arthur Stanley Wheeler  
 Byrd Earle White, B.A. }  
     Baylor University 1900 }  
 \*Charles Dean White  
 Percy Gardiner White  
 Frederic Averill Whittlesey  
 Mark Skinner Willing  
 Samuel Dudley Woodhouse  
 James Wright  
 John Niel McLeod Wylie  
 Jacob Henry Yaggy, B.A. }  
     Western (Iowa) College 1901 }  
 Bartlett Golden Yung

### BACHELORS OF PHILOSOPHY

Frank Mears Adams  
 Thomas Davies Adams  
 Robert Wade Allerton  
 Walter Arnstein  
 Edward Monroe Bailey, Jr.  
 William Bailey  
 Hartley Harris Bartlett  
 Lindon Wallace Bates, Jr.  
 Arthur Glenney Belden  
 Charles Frederick Blood  
 Nelson Blount  
 Howard Stanley Bristol  
 Richard DeWolfe Brixey  
 Albert Turney Brown  
 Earle Wayne Brown  
 Austin Jenkins Bruff

George Whitfield Butts, Jr.  
 Owen Good Butts  
 Ralph Waldo Campbell  
 William Joseph Canada  
 Garrit Samuel Cannon  
 William Emanuel Cederberg, B.S. }  
     Augustana College 1900 }  
 Walter Symington Clark  
 Vincent Biddle Clarke  
 Henry Martin Coffeen  
 John Roberts Coffin  
 William Bronson Cramer  
 George Halloway Cressler  
 John Chester Cromwell  
 Burwell Morgan Crosthwaite  
 Willard Parker Dean

\*Deceased.

Gratz Dent  
William Henry Dickinson  
Wilcox Doolittle  
Ben Sherman Eastman  
Charles Remington Ellicott  
Morgan Shuit Elmer  
Francis Patrick Fahy  
Charles Sherman Farnham  
James Aaron Farra  
Montague Ferry  
Richard Hardin Gentry  
Liebig Wallis Gibbons  
Robert Banks Gibson  
James Artemas Gould  
Inslee Blair Greene  
Charles Edward Greenough  
Roger Wolcott Griswold  
Porter Thomas Hall  
William Henry Hall  
Edward Waterman Hamilton  
Newell Hobart Hargrave  
William Mather Hicks  
Joseph Adams Hill  
Charles Thomas Hindley  
Bedford Forrest Hines  
Alex Crawford Hoyt  
Clarence Bancroft Ingraham, Jr.  
Frederick Clark Inman  
Edward William Jeffcott  
Ferdinand Frazier Jelke  
Albert Herman Jente  
Paul Julius Herman Jente  
Walter Alpheus Jones  
Mortimer Nelson Judd  
Rolfe Kingsley  
Mabie Crouse Klock  
William Henry Lamprecht, 2d  
Ralph Walker Langley  
Fred Warner Laubin  
Charles Stanley Leavenworth  
Richmond Mortimer Levering  
George Southmayd Macdonald  
Neil Macneale

William Duncan Malcolm  
Harry Clifford Martin  
Champion Herbert Mathewson  
Martin Francis Menton  
John Edward Meyer  
Henry Christopher Minor  
Ralph Daniel Mitchell  
Frank Joseph Moran  
Antoine Jacques Newell  
Waynes C. Nisbet  
Dudley Sturgis Norton  
Michael J. O'Donnell  
William Dickey Oglesby  
John Dale Oille  
Frank Albert Olds  
John Henry Overall, Jr.  
Herbert Hoyt Pease  
Gaius William Perkins, Jr.  
George Willis Peters, Jr.  
Wyllys Irvin Phelps  
Frank Lyman Phillips  
William Earl Porter  
Nathaniel Restcome Potter  
William Benham Price  
William Dudley Putnam  
Samuel James Reeves  
Baxter Reynolds  
Robert Tuckerman Roberts  
Frederic Richard Rubsamen  
Carroll Trow Runyon  
Samuel Lyon Russell  
Nathaniel W. Sample, Jr.  
Karl August Schaefer  
Kenneth Baker Schley  
Alexander Frederick Schneider  
John Chase Scully  
Harry Ackerman Shuart  
William Stiastry Sierck  
Peter Levant Smith  
Norman Leslie Snow  
Leavenworth Porter Sperry  
Erwin Stanley  
Ray Stearns

Harry Lucien Stephenson  
 Henry Glover Stevens  
 Wilhelmus Mynderse Stillman  
 Douglas Pardee Street  
 William Clark Symington  
 Walter Ira Trench  
 John Franklin Trumbull

Robert Pelton Wadhams  
 William Knickerbocker Wallbridge  
 Charles Lewis Watson  
 Frederic Eben Whitney  
 Lloyd Adolph Wimpfheimer  
 John James Wright-Clark

### BACHELOR OF FINE ARTS

Walter Eben Nettleton, B.A. }  
 Yale University 1883 }

### BACHELORS OF MUSIC

William Jacob Kraft

Luella Totten

### BACHELORS OF LAWS

Wm. Chilton Abercrombie, B.A. } University of Texas 1897, Harvard University 1898	Chandler Wolcott Durbrow, <i>cum laude</i>
James Frank Adams, B.A. } Baylor University 1896, Yale University 1898	Louis Agassiz Dyar, <i>cum laude</i>
William E. Andrew, Jr.	Edward Clarence Ellsbree, B.A. } Yale University 1900 }
Charles Wilson Andrews, PH.B. } Yale University 1899	Avery Theodore Elmer
Alexander Arnott, B.A. } Trinity College 1900	Joseph Isaac Flint
Curtiss Stowe Bacon	Lucius Pomeroy Fuller, B.A. } Yale University 1899, <i>cum laude</i> }
Frederic Stanley Bacon, B.A. } Trinity College 1899	Francis Angelo Gaynor
Charles Leslie Brooks	Ambrose Gherini, B.A. } Mt. Angel College 1899 }
Edward Garfield Burke	John Leo Gilson, B.A. } Yale University 1899 }
Edward Thomas Canfield, B.A. } Yale University 1899	Wallace Wyan Goodwin, B.A. } William Jewell College 1899, LL.B. Kansas City School of Law 1901 }
Walter Ellsworth Coe, PH.B. } Yale University 1892	Charles Abbott Greene, B.A. } Yale University 1899 }
Daniel Milholland Cronin	Abner Pierce Hayes, B.A. } Yale University 1898 }
William Henry Darrow, <i>cum laude</i>	Arthur Henderson
Osborne Atwater Day, PH.B. } Yale University 1899	Edward Hinman Holmes
Edwin Cole Dickenson	Frederick Sophus Holsteen, PH.B. } State University of Iowa 1898, LL.B. State University of Iowa 1900 }
Leonidas John Durbin, B.A. } Yale University 1899	

Harry Hubbard Johnson	John Brooks Pew, B.A.	}
Garfield R. Jones, <i>cum laude</i>	William Jewell College 1899.	
Edward Henry Kelly, <i>summa cum laude</i>	LL.B. Kansas City School of Law 1901	}
Oscar Olaus Lamontagne, B.A. }	Edward Bernard Reiley	
Laval University 1899, <i>cum laude</i> }	Moses Walter Saxe	
Charles Tressler Lark, B.A. }	Maxwell Slade, <i>cum laude</i>	
Pennsylvania College 1898,	Henry George Snyder, B.S. }	}
Yale Univ. 1899, <i>magna cum laude</i> }	Centre College 1898	
Augustine Lonergan	James Mark Sullivan	
John Francis McGrath	John Nils Swenson, B.A. }	}
John Frank Malley, <i>magna cum laude</i>	Bethany College 1899	
Warner Marshall	Henry Bruce Teller, B.A. }	}
Samuel Thomas Meyer, B.A. }	Yale University 1899	
Lebanon Valley College 1898 }	Henry Rumford Thompson, B.A. }	}
James Cyrus Murtagh, LL.B. }	Trinity College 1887	
State University of Iowa 1901 }	Frank William Tully	
Samuel Jacob Nathanson	Harry Duncan Vandever	
Mason Harder Newell, M.A. }	Eliot Watrous, B.A. }	}
University of Illinois 1901 }	Yale University 1899, <i>cum laude</i> }	
Hibberd Richard Norman	Roger Sherman White, 2d, B.A. }	}
Eugene Timothy O'Sullivan	Yale University 1899	
Henry Haven Pettis	Frank Lester Wilder	
	J. Perry Wood, PH.D. }	}
	Dickinson College 1901 }	

## BACHELORS OF DIVINITY

John Bicknell, B.A. }	Alexander Louis McKenzie, B.A. }	}
Yale University 1899 }	Yale University 1900	
Warren Daniels Bigelow, B.A. }	Toraji Makino }	}
Harvard University 1898,	Doshisha College 1892 }	
M.A. Harvard University 1899 }	Elvet Eugene Moorman, B.A. }	}
Shelton Bissell, B.A. }	Butler College 1899, M.A. 1900 }	
Yale University 1897 }	Frederick Wingate Raymond, B.A. }	}
Frank John Bruno, B.A. }	Amherst College 1899	
Williams College 1899 }	John Joseph Samuel }	}
Hall Laurie Calhoun, B.A. }	Carmarthen College 1899 }	
Kentucky University 1892 }	Josiah Sibley, B.A. }	}
Horace Edwin Clute, B.S. }	Pomona College 1899 }	
Pennsylvania College 1897 }	Wm. Ernest Andrew Slaght, B.A. }	}
Edgar Fay Daugherty, B.A. }	Toronto University 1898	
Franklin College 1898,	Robert John Smith, B.A. }	}
M.A. Butler College 1900 }	Drake University 1896, M.A. 1898 }	
Thomas Park Gales, B.D. }	Carl Stackman, B.A. }	}
Bangor Theological Seminary 1896 }	Amherst College 1898 }	
George Herbert Johnson, B.A. }	John Arend Timm }	}
Bates College 1900 }	Neparan College 1878,	
	Lutheran Theol. Sem. Philadel. 1881 }	

## MASTERS OF ARTS

Keiji Ashida, B.D. }	William Frederick Hamilton, B.A. }
Vanderbilt University 1901 }	Yale University 1901 }
James Foote Barnett, B.A. }	Nathaniel Harris, B.A. }
Yale University 1891 }	Baylor University 1900, }
William Edwin Breckenridge, B.A. }	M.A. Baylor University 1901 }
Yale University 1893 }	Edwin Allston Hill, B.A. }
Samuel Palmer Brooks, B.A. }	Yale University 1875, }
Yale University 1894 }	M.S. Columbia University 1901 }
Eugene Watson Burlingame, B.A. }	Arthur Howard Hutchinson, B.A. }
Yale University 1898 }	University of Washington 1897, }
John Bullard Chamberlain, B.A. }	B.A. Yale University 1899 }
Yale University 1901 }	Edwin Lorenzo H. Hutchinson, B.A. }
Thadeous Hugh Claypool, B.A. }	Yale University 1901 }
Yale University 1898 }	Wilhelm Julius Edward Jente, B.A. }
Frank Cummings Cook, B.A. }	Yale University 1897 }
Yale University 1900 }	Carl Wilhelm Johnson, B.A. }
Charles Mills DeForest, B.A. }	Bethany College 1900 }
Yale University 1901 }	Arthur Brown Joy, B.A. }
Teizaburo Demura, B.D. }	St. Lawrence University 1898 }
Pacific Theological Seminary 1901 }	Charles Alexis Kellogg, Jr., B.A. }
Edward Lewis Dodd, B.A. }	Yale University 1900 }
Western Reserve University 1897 }	Oliver Clarence Lester, B.A. }
Chas. Abbott Schneider Dwight, B.A. }	Central College 1897, }
Yale University 1881 }	M.A. Central College 1898 }
Allen Barber Eaton, PH.B. }	Raymond McFarland, B.A. }
Beloit College 1899 }	Amherst College 1897 }
Richard Henry Edwards, B.A. }	Tsutomu Murata }
Yale University 1901 }	Doshisha College 1887 }
Hollon Augustine Farr, B.A. }	Iver Olson Nysether, B.A. }
Yale University 1896 }	Yankton College 1900 }
Carleton Alexander Foote, B.A. }	Edward Bunnell Phelps, B.A. }
Yale University 1882 }	Yale University 1885 }
Stanley Leman Galpin, B.A. }	William Lorimer Porter, B.A. }
Western Reserve University 1901 }	Yale University 1900 }
Milton Stahl Garver, B.A. }	Sylvester David Powell, B.A. }
Western Reserve University 1901 }	Yale University 1901 }
Ambrose Gherini, B.A. }	William Sumner Pritchard, B.A. }
Mt. Angel College 1899 }	Yale University 1901 }
Hiram Gillespie, B.A. }	William Chauncey Rice, B.A. }
University of Chicago 1898 }	Wesleyan University 1901 }
Benjamin Spencer Gowen, B.A. }	Louis Henry Schutte, B.A. }
Yale University 1901 }	Yale University 1899 }
Albert Gubelmann, B.A. }	Augustus Farnham Shaw, B.A. }
University of Rochester 1897, }	Yale University 1892 }
M.A. University of Rochester 1897 }	Schino Shibata, B.A. }
Harvey Hugo Guy, B.A. }	Keiogijiku University 1901 }
Drake University 1893 }	Oscar Emil Staaf, B.A. }
	Bethany College 1900 }



Edward Arthur Sumner, B.A. { Wesleyan University 1878 }	Dana Lewis Walcott, B.A. { Yale University 1901 }
George Sverdrup, B.A. { Augsburg Seminary 1898 }	Albert Micajah Webb, B.A. { Yale University 1901 }
Kazusada Tanaka { Keiogijiku University 1897 }	Moses Cook Welch, B.A. { Yale University 1850 }
John Martin Telleen, B.A. { Augustana College 1898 }	Samuel Wirt Wiley, B.A. { Monmouth College 1901 }
Wilmot Haines Thompson, Jr., B.A. { Yale University 1898 }	John William Withers, B.A. { National Normal University 1891 }
Edward Thorstenberg, B.A. { Bethany College 1899 }	Kaiei Yamasaki { Keiogijiku University 1901 }
Harold Vernon, B.A. { Yale University 1883 }	

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MASTERS OF LAWS

Abel Miller Hammett, LL.B. { Kansas City School of Law 1901 }	Michael Bernard Hurley, LL.B. { University of Minn. 1901, <i>cum laude</i> }
Philip Henry Kunzig, LL.B. { Yale University 1901 }	

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MASTERS OF SCIENCE

Silas Palmer Beebe, B.S. { Harvard University 1900 }	Henry H. Conover, B.S. { Rutgers College 1900 }
Philip Bovier Hawk, B.S. { Wesleyan University 1898, M.S. Wesleyan University 1900 }	

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MASTERS OF FORESTRY

Alfred Akerman, B.A. { University of Georgia 1898 }	Christopher Temple Emmet, M.E. { Stevens Institute of Technology 1891 }
Charles Sidney Chapman, B.AGR. { Storrs Agricultural College 1898 }	Ralph Sheldon Hosmer, B.A.S. { Harvard University 1894 }
Alfred Knight Chittenden, PH.B. { Yale University 1900 }	Roy Leon Marston, B.A. { Bowdoin College 1899 }
George Edwards Clement, A.B. { Harvard University 1900 }	George Hewitt Myers, B.A. { Yale University 1898 }

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DOCTORS OF MEDICINE

Henry Ely Adams	Edward Sumner Brackett, B.A. { Yale University 1897, <i>cum laude</i> }
David Bercinsky	

Irving Edward Brainard	Oran Alexander Moser
William Joseph Cooney	Thomas Augustine O'Brien, PH.B. }
James Joseph Dunleavy	Yale University 1899, <i>cum laude</i> }
Gaston Holcombe Edwards, M.S. }	John Francis Ryle
Yale University 1899	Albert Hayes Sharpe
Francis Arthur Emmett	George Francis Sheedy, PH.B. }
William McKimmie Higgins, M.A. }	Yale University 1899
Yale University 1893	Paul Russell Stetson
Victor Alexander Kowalewski, B.A.	Andrew Clay Swenson
Yale University 1899	Lester Ferris Turney, B.A. }
Edward Charles Krause	Yale University 1899 }
John David Moore	

## DOCTORS OF PHILOSOPHY

Kan-Ichi Asakawa, B.L. }	Leo Frederick Rettger, B.A. }
Waseda College, Japan, 1895. }	Indiana University 1896, }
Dartmouth College 1899 }	M.A. Indiana University 1897 }
Amy Louise Barbour, B.A. }	Robert Kilburn Richardson, B.A. }
Smith College 1891 }	Yale University 1898, }
Alling Prudden Beardsley, B.A. }	M.A. Columbia University 1899 }
Wesleyan University 1898 }	Isaac Woodbridge Riley, B.A. }
Margaret Rooker Bradshaw, M.A. }	Yale University 1892 }
Vanderbilt University 1893 }	Chalfant Robinson, B.L. }
Halbert Hains Britan, B.A. }	University of Cincinnati 1893 }
Hanover College 1898 }	Maurice Henry Robinson, B.L. }
Abraham Royer Brubacher, B.A. }	Dartmouth College 1890, }
Yale University 1897 }	M.A. Dartmouth College 1897 }
George Barton Cutten, B.A. }	Robert Kilburn Root, B.A. }
Yale University 1897 }	Yale University 1898 }
Arthur Lyman Dean, B.A. }	Hubert Gibson Shearin, B.A. }
Harvard University 1900 }	Center College 1897, }
Emily Howard Foley, B.A. }	M.A. Center College 1899 }
Wellesley College 1893 }	Susan Smith Sheridan, B.A. }
Frank Eugene Hale, B.A. }	University of Omaha 1897 }
Yale University 1900 }	Elmer Ellsworth Shoemaker, B.A. }
George Arthur Hanford, B.A. }	Harvard University 1889 }
Yale University 1898 }	Lyman Brumbaugh Stookey, B.A. }
Henry Lee Hargrove, B.A. }	Yale University 1900 }
University of Nashville 1891, }	Chauncey Brewster Tinker, B.A. }
M.A. University of Nashville 1892 }	Yale University 1899, }
Chas. Montgomery Hathaway, Jr., B.A.	M.A. Yale University 1901 }
Yale University 1899,	Ralph Gibbs VanName, B.A. }
M.A. Yale University 1901	Yale University 1899 }
Joseph Frazer Hood, B.A. }	Charles Philip Wagner, B.A. }
Southwestern Presbyterian Univ. 1896. }	Yale University 1899 }
M.A. Yale University 1900	Lynde Phelps Wheeler, PH B. }
Julius Olsen, B.S. }	Yale University 1894 }
Bethany College 1898 }	

# HONORARY DEGREES CONFERRED

JUNE, 1902

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## DOCTORS OF DIVINITY

Rev. Samuel Hart, B.A. }	Rev. William Reed Huntington, B.A. }
Trinity College 1866 }	Harvard University 1859 }

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## DOCTORS OF LAWS

Nicholas Murray Butler, B.A. }	Roswell Park, M.D., B.A. }
Columbia University 1882 }	Racine College 1872 }
Charles Rockwell Lanman, B.A. }	*Rt. Hon. William Thomson, }
Yale University 1871 }	Lord Kelvin, B.A. }
Henry Cabot Lodge, B.A. }	Cambridge University 1845 }
Harvard University 1871 }	
Eliphalet Whittlesey, B.A. }	
Yale University 1842 }	

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## DOCTOR OF LETTERS

Franklin Bowditch Dexter, B.A. }
Yale University 1861 }

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## MASTERS OF ARTS

William Blair Graves, B.A. }	Henry Goslee Prout, C.E. }
Amherst College 1862 }	University of Michigan 1871 }
Robert Curtis Ogden	James Whitcomb Riley
Rev. Endicott Peabody, LL.B. }	Robert Louis Sanderson
Cambridge University 1880 }	
Louis Valentine Pirsson, PH.B. }	
Yale University 1882 }	

\* Conferred May 5, 1902.

# HONORS

## IN THE SEVERAL DEPARTMENTS

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### THE ACADEMICAL DEPARTMENT

HONORS IN ALL STUDIES, CLASS OF 1902

#### ORATIONS

SIDNEY NORTON DEANE

FRANK HUESTIS SINCERBEAUX

CHARLES COOKE RUSS  
HARRY MORTIMER HUBBELL  
HENRY CAMP RUSS  
KERSEY COATES REED  
BENJAMIN ROBBINS CURTIS LOW  
HOWARD FRANK TAYLOR

CHARLES ASAPH ROBERTS  
HARRY BALDWIN CHAMBERLIN  
WILLIAM HANCE  
JAMES ALDEN VALENTINE  
HUC MAZELET LUQUIENS

Clarence Henry Adams  
James Brown  
Frederic Burnham  
Arthur Bryan Clark  
Henry Elliott Colton  
George Eugene Davis  
Charles Paxton Flora  
Arthur Benedict Hall  
Lucius Hudson Holt  
Philip Mead Howe

Arthur Crosby Ludington  
Willard Blackinton Luther  
Charles Duncan Miller  
Harry Alfred Peters  
Isaac Gray Phillips  
William Wallis Platt  
Hugh Satterlee  
Louis Hart Talcott  
Henry Clarke Thacher  
Frederic Averill Whittlesey

Krebs Beebe  
Jacob Brown  
Terry Joseph Chapin  
Walter Scott Donat  
Robert Bartlett Dresser  
Marcus Homer Duncan  
William Abraham Evans  
Edward FitzGerald  
Harry Larned Galpin  
Robert Shaeffer Gast  
George Brown Jackson  
Thomas Aloysius McAvoy

James Nelson Mandeville  
Norman Day Otis  
Robert Arthur Pritchard  
Albert Edward Roraback  
Charles Felix Samson  
Frank Joseph Sladen  
Lyman Strong Spitzer  
Henry Lee Sweinhart  
Norman Campbell Thorne  
Mason Trowbridge  
Dorr Viele

## DISSERTATIONS

Gardner Abbott  
 Coleman Emanuel Andel  
 Ferdinand William Blumenthal  
 Graham Brush  
 Walter Lawrence Chamberlain  
 Philo Douglas Clark  
 Clement Hale Cochran  
 Richard Huntington Cole  
 William Stickney Creevey  
 Charles Cyprian Strong Cushing  
 Henry Sturges Ely  
 William Dean Embree  
 Charles Driver Francis  
 William Smith Garnsey, Jr.  
 William Benjamin Godfrey, Jr.  
 William Potter Haines  
 William Worthington Herrick  
 James Crane Higgins

Alfred Reed Hill  
 George Washington Hitner  
 Edgar Allen Jones  
 Paul Jones  
 Frederic Rose Keator  
 Eugene Heitler Lehman  
 Edwin Gates Norman  
 Clifford Herrick Owen  
 Benjamin Judah Phelps  
 Henry Suydam Reynolds  
 Frederick William Roman  
 John Joseph Scanlan  
 Gustav Schwab, 4th  
 William Richard Sidenberg  
 Bernard George Teel  
 Charles Seymour Thompson  
 Bradley Agard Welch  
 Jacob Henry Yaggy

## DISPUTES

Anthony Brown Arnold  
 Raymond Bissell  
 Louis Herbert Burlingham  
 Leonard Theaker Bushnell  
 William Lyman Chase  
 Robert Haskell Cory  
 George Allen Dewey  
 William Wheeler Duncan  
 Willard Horace Fanton  
 Nathan Roscoe Francis  
 Samuel Warren Gardner  
 William Thomas Garrett  
 Robert Hale Ives Goddard, Jr.  
 Lewis Burton Hall, Jr.  
 Henry William Hamlin  
 Theodore Brown Hewitt  
 James Wakeman Hubbell  
 Joseph Read Hunter

Frederick Francis Jackson  
 Arthur Hurlburt Kinney  
 Elisha Sears Lewis  
 Roy Alton Lincoln  
 Henry Sargent Mead  
 Charles Conrad Meyer  
 Martin Peck Miller  
 Herbert Edwin Morris  
 George Guy Murphry  
 Downer Hazen Newell  
 Albion Gile Peirce  
 Lucius Beverly Pond  
 Curtiss Aldrich Sanford  
 Charles William Smith  
 Herbert William Smith  
 Morris Gardner Talcott  
 Joseph Hill Walker

Charles Seiser Baer  
 Courtlandt Dixon Barnes  
 Frederick Beers  
 Oliver Morton Clifford  
 William LeRoy Dix  
 Harold Chester Evarts  
 James Lester Goodwin  
 Robert Perkins Griffing  
 William Alvin Higgins  
 Brewster Terry Hudson  
 John Joseph Hughes

Floyd Welman Jefferson  
 Merrit Proctor Lancaster  
 George Gould Lincoln  
 Graham Kingsbury Mellen  
 Samuel Newman  
 Roderick Potter  
 George Irving Rhoda  
 Ralph Ryan  
 Joseph Rockwell Swan, Jr.  
 Charles Denison Talcott  
 Willis Gaylord Tucker, Jr.

## COLLOQUIES

William Gilbert Anderson  
 Charles Houghton Baxter  
 William Gates Bourn  
 Frederic Wells Campbell  
 George Boone Carpenter  
 Carl Willis Davis  
 Holland Sackett Duell  
 Allison Sweeney Fleming  
 Edward Lyttleton Fox  
 Laurent Heaton  
 George Ainslie Hewett  
 Henry Stewart Hooker  
 Samuel Henry Howe, Jr.  
 George Lear, 2d  
 Ethelbert Ide Low  
 John Clute McDowell  
 John Sample McKelvy, Jr.  
 Frank Tucker Mason

Christian Meyer, Jr.  
 Frank Wells Nevins  
 Robert Bruce Nisbet  
 Howard Weidner Pierce  
 Thomas Danford Potwin  
 Edward Hammond Risley  
 Harry Miller Robbins  
 Henry Alexander Rogers  
 Keith Smith  
 Keith Spalding  
 Melville Alphonse Stern  
 John Taber  
 John Ferguson Tenney  
 Richard Barber Tillinghast  
 Harry Warren Tompkins  
 John Jared Welsh  
 Mark Skinner Willing  
 Bartlett Golden Yung

Oliver Sidney Ackley, Jr.  
 Francis Blackman Barnett  
 Louis Frederick Boder  
 Newton Case Brainard  
 Herbert Bruce Brougham  
 John Alexander Callender  
 Percy Bayard Cochran  
 Alfred Miller Cressler  
 William Edward Davis, Jr.  
 David Sheldon Day  
 Sterling Thompson Foote  
 Charles Ring Foster  
 Percy VanDuzer Gott  
 Raymond Gano Guernsey  
 George Huntington Hull, Jr.  
 Howard Donald Humiston

Walter Martin Krementz  
 Burton Howard Lee  
 Rodman Wister Moorhead  
 George Woodward Noyes  
 Jay Morse Pickands  
 Henry Pendleton Rogers, Jr.  
 Ralph Merriam Simonds  
 Edward Levi Skinner  
 Scott Lord Smith  
 Edwin Allen Stebbins  
 Porter Steele  
 Henry Goodman Waters  
 Arthur Yancey Wear  
 Paul Hamilton Welch  
 Byrd Earle White

## HONORS IN SPECIAL STUDIES

## TWO-YEAR HONORS

*In Classical Languages and Literature:*

Jacob Brown  
 Sidney Norton Deane

*In Romance Languages and Literature:*

Ferdinand William Blumenthal  
 Harry Alfred Peters

*In English:*

Walter Lawrence Chamberlain  
 Alfred Reed Hill  
 Lyman Strong Spitzer  
 Henry Lee Sweinhart

*In Natural Sciences:*

Henry Clarke Thacher

*In Physical Sciences :*

James Brown  
 William Wheeler Duncan  
 Charles Paxson Flora  
 Norman Campbell Thorne

Henry William Hamlin  
 Philip Mead Howe  
 Edgar Allen Jones  
 Benjamin Robbins Curtis Low  
 Charles Seymour Thompson

*In History :*

Clarence Henry Adams  
 Raymond Bissell  
 Arthur Bryan Clark  
 Philo Douglas Clark  
 Henry Elliott Colton

*In Social Sciences :*

Willard Blackinton Luther  
 William Wallis Platt  
 Lyman Strong Spitzer  
 James Alden Valentine

## ONE-YEAR HONORS

*In English :*

James Wakeman Hubbell

*In Social Sciences :*

Harry Baldwin Chamberlin  
 Henry Elliott Colton

## JUNIOR APPOINTMENTS

## YALE COLLEGE, CLASS OF 1904

## PHILOSOPHICAL ORATIONS

EDWIN CLAPP  
 HERBERT WILLIAM EALES  
 ARTHUR HAVEMEYER  
 FRANCIS EDWIN HOWLAND  
 HENRY STRONG HUNTINGTON,  
 JR.  
 LAWRENCE MASON

CLARENCE WHITTLESEY MEN-  
 DELL  
 ARTHUR EDWIN NEERGAARD  
 FREDERICK ERASTUS PIERCE  
 ARTHUR KINGSLEY PORTER  
 LAURENCE SELLING  
 DUDLEY FRANK SICHER

## HIGH ORATIONS

Otis Munro Bigelow, Jr.  
 Garrett Author Brownback  
 Robert Elmer Chandler  
 Edward LeRoy Dennis  
 Willard Higley Durham  
 William Dickinson Hart  
 Raymond Thompson Hill  
 Newell Jennings

Charles Simonton McCain  
 Theodore McCurdy Marsh  
 Fred Maurice Maxwell  
 Lansing Parmelee Reed  
 Harry Wilson Reynolds  
 Harry Izard Bacon Rice  
 Bronson Mills Warren

## ORATIONS

George Williams Anderson  
 Seth Weaver Baldwin  
 Thomas Hopper Beardsley  
 Harry Frost Burgess  
 Howard Wadsworth Church  
 Frederick Campbell Colston  
 Charles Alexander Esty  
 Joseph Alexander Falvey  
 Harold Irving Gardner  
 Harry Glicksman

Edward Thurston Hiscox, 2d  
 Charles Sumner Joy  
 Allen Perry Lovejoy, Jr.  
 Stewart Lea Mims  
 William Law Learned Peltz  
 Arthur Bernard Recknagel  
 Arthur Sandiford  
 Herman Henry Schermerhorn  
 Brainerd Edwards Smith  
 Aaron Wittstein

## DISSERTATIONS

Charles Edward Adams  
 Frank Callahan  
 Henry Carlton Courten  
 Horatio Ford  
 Alexander Gordon  
 Everett Smith Hartwell  
 Samuel Burdett Hemingway  
 William Barri Kirkham  
 James Whitney Knox  
 Robson Longwell  
 James Ely Miller

Charles Everett Moore  
 Arthur Nilsen  
 Willard Franklin Fitz Randolph  
 William Field Rundel  
 John Horace Safford  
 Cornelius Harry Snell  
 Robert Allan Squire  
 Edgar Hinton Taylor  
 Harold Hathaway Trusdell  
 Karl Watson Warmcastle  
 Sumner Byrne Woodbridge

## DISPUTES

Seth Daniels Bingham, Jr.  
 Fayette Brown, Jr.  
 Francis Watkinson Cole  
 Belton Allyn Copp, Jr.  
 Frank Talmage Dodge  
 Michael Joseph Donahue  
 Franklin Williams Glazier

Philip Goodell  
 Alfred Irving Harrington  
 Edward Manter Luce, Jr.  
 Henry Wood Shelton  
 William Strong Slade  
 Arthur Francis Stoddard Steele  
 Garrard Bigelow Winston

Louis Horace Arnold  
 Ralph Chapman Benedict  
 Charles Edward Beyer  
 Charles Howe Buck  
 George Irvin Chadwick  
 Richard Spencer Childs  
 Irving Marshall Clark  
 Winthrop Murray Crane, Jr.  
 Thomas Robert Gaines

Walter Irving King  
 Henry King Love  
 Edwin Daniel Peck  
 David Lindsey Randall  
 Pierce Butler Reynolds  
 Julius Rockwell  
 James Fred Sawin  
 Paul Shaffrath  
 Walter Bunce Spencer

## COLLOQUIES

Walter DeWitt Boggs  
 Gerald Chittenden  
 Henry Corwith Dangler  
 Henry Perkins Erwin  
 Stevenson Hume Evans  
 Mark Graff Feder  
 George Merrill Gelser  
 Douglas Bannan Green  
 Henry Little Griggs  
 Thomas Lewis Jefferson, Jr.  
 Thomas Henry Kirkland  
 Harold Marwick Meech  
 Herbert Chauncey Miller  
 John Milton Miller

George Elwood Nichols  
 Claudius Buchanan Conant  
 Ostrom  
 John Markham Riley  
 Heaton Ridgeway Robertson  
 Norman Nienstedt Rupp  
 Kenneth Rae Shand  
 Thomas Mallon Shields  
 Robert Lincoln Smitley  
 Chauncey Edwards Treadwell  
 Clayton Wolcott Welles  
 Paul Bessal Welles  
 Earle Rogers Whipple



Christopher Magee Anderson  
 Gerald Edwin Beebe  
 Shelby Williams Bonnie  
 Malcolm DeWolf Booth  
 James Henry Brewster, Jr.  
 Russell Cheney  
 William Darrow Clark  
 Arthur Morton Clifford  
 Joseph Frederick Cullman, Jr.  
 Maurice Sherman Damon  
 Thomas Latham Davis  
 Everett Dominick  
 William Claiborne Hall

Joseph Horne Holmes  
 Rodney Sheldon Jarvis  
 Percy Hall Jennings  
 Charles William Lawrance  
 Howell Gurney Lord  
 William Robert Millar  
 Edward Stetson Paine  
 Edgar LeRoy Pond, Jr.  
 William George Powning  
 Patrick Joseph Sheehan  
 Lathrop Smith  
 George Stuart Studwell, Jr.  
 Carl Tucker

## THE SHEFFIELD SCIENTIFIC SCHOOL

### CLASS OF 1902

#### TWO-YEAR HONORS, FOR EXCELLENCE IN ALL STUDIES

##### *Chemical Course :*

Howard Stanley Bristol  
 William Bronson Cramer  
 Charles Stanley Leavenworth  
 Champion Herbert Mathewson  
 William Benham Price  
 Robert Tuckerman Roberts  
 William Knickerbocker Wallbridge

##### *Biological Course :*

Robert Banks Gibson

##### *Select Course :*

Albert Herman Jente  
 Lloyd Adolph Wimpfheimer

##### *Mechanical Engineering Course :*

Thomas Davies Adams  
 William Emanuel Cederberg,  
 B.S.  
 Alexander Frederick Schneider

##### *Civil Engineering Course :*

Willard Parker Dean  
 Wyllys Irvin Phelps

##### *Electrical Engineering Course :*

William Joseph Canada  
 Bedford Forrest Hines

##### *Sanitary Engineering Course :*

Charles Sherman Farnham

#### HONORS IN SPECIAL STUDIES, AWARDED TO STUDENTS NOT RECIPIENTS OF GENERAL HONORS

Robert Wade Allerton  
*Mechanical Engineering*  
 Lindon Wallace Bates, Jr.  
*History and Political Science*  
 Albert Turney Brown  
*Mechanical Engineering*  
 Earle Wayne Brown  
*Mechanical Engineering*

Porter Thomas Hall  
*English*  
 Clarence Bancroft Ingraham, Jr.  
*Physiology*  
 Rolfe Kingsley  
*Biology*  
 Robert Pelton Wadham  
*Physiology*

## CLASS OF 1903

## HONORS FOR EXCELLENCE IN ALL STUDIES OF THE JUNIOR YEAR

Irving Atwater Andrews  
 William Travis Ayer  
 Carlton Thomas Bishop  
 Haroutune Mugurdich Dadour-  
 ian  
 Vahram Edward Davoud

Charles Franklin Dike, Jr.  
 Cyrus Hamilton Kendall  
 George Albert Menge  
 Abraham Kohn Selz  
 Luther Cornelius Weeks, B.S.

## HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS OF THE JUNIOR CLASS NOT RECIPIENTS OF GENERAL HONORS

Charles Frederic Alexander  
*History*  
 Courtlandt Woodruff Babcock  
*French and German*  
 Arthur Whittemore Bacon  
*Engineering Studies*  
 Harry Edward Benham  
*Chemistry*  
 Reginald Waldo Brixey  
*English*  
 Raymond Burnham  
*German*  
 Oliver Eugene Closson  
*Biology and Chemistry*  
 Edward Alexander Downey  
*German*  
 Reginald Jackson  
*French and Mathematics*

Howard Camberne Kirkwood  
*German*  
 William Albert Lilley  
*French and English Composition*  
 Anthony Mendoza  
*Mathematics*  
 Harry James Mold  
*German*  
 Edward Hamilton Prior  
*French*  
 Joseph Henry Rosenberg  
*French*  
 Ralph Edward Stephens  
*Biology and English Composition*  
 Lewis Vincent  
*German*  
 Joseph Hooker Woodward  
*English Composition*

THE ROGERS SCHOLARSHIP, for excellence in the studies of the Chemical Course, awarded to Irving Atwater Andrew.

## THE MEDICAL SCHOOL

DEGREE OF M.D., *cum laude*

Edward Sumner Brackett, B.A., Yale University, 1897  
 Thomas Augustine O'Brien, Ph.B., Yale University, 1899

## THE LAW SCHOOL

DEGREE OF M.L., *cum laude*

Michael Bernard Hurley, LL.B., University of Minnesota, 1901

DEGREE OF LL.B., *summa cum laude*

Edward Henry Kelly

DEGREE OF LL.B., *magna cum laude*

Charles Tressler Lark, } B.A., Pennsylvania College, 1898  
                                  } B.A., Yale University, 1899  
John Frank Malley

DEGREE OF LL.B., *cum laude*

William Henry Darrow  
Chandler Wolcott Durbrow  
Louis Agassiz Dyar  
Lucius Pomeroy Fuller, B.A., Yale University, 1899  
Garfield R. Jones  
Oscar Olaus Lamontagne, B.A., Laval University, 1899  
Maxwell Slade  
Eliot Watrous, B.A., Yale University, 1899

## MIDDLE CLASS HONORS

George Hiram Bartholomew, B.A., Yale University, 1900  
Clarence Whittlesey Bronson, B.A., Yale University, 1900  
Louis Prince Burton  
Leopoldo DeSola  
Stanley Wells Edwards, B.A., Yale University, 1900  
Charles Davenport Lockwood, Ph.B., Yale University, 1900

## JUNIOR CLASS HONORS

Lloyd Stuart Ackerman  
Henry Cotheal Andrews, B.A., Yale University, 1899  
Hal Crumpton Bangs, B.A., Northwestern University, 1901  
David Aikanaka Dowsett  
George Dana Graves, B.A., Yale University, 1899  
John Harold Sears  
George Newell Whittlesey, B.A., Yale University, 1900

# AWARDS OF PRIZES AND SCHOLARSHIPS

## UNIVERSITY PRIZES

JUNE, 1902

### BENNETT PRIZE

Harry Baldwin Chamberlin, Class of 1902, Yale College, Unionville, Conn., with honorable mention of Henry Elliott Colton, Class of 1902, Yale College, Campbellsville, Ky.

### COBDEN CLUB MEDAL

James Alden Valentine, Class of 1902, Yale College, Breckinridge, Minn.

### COOK PRIZE IN POETRY

Arthur Stanley Wheeler, Class of 1902, Yale College, New Haven, Conn.

### JOHN A. PORTER PRIZE

Edward Andrew Braniff, Class of 1903, Yale Forest School, Kansas City, Mo.

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## PRIZES IN YALE COLLEGE

1901-1902 :

DEFOREST PRIZE MEDAL—Class of 1902, Eugene H. Lehman.

TOWNSEND PREMIUMS—Class of 1902, Frederick Burnham, David S. Day, Norman H. Mason, Kersey C. Reed, and Henry L. Sweinhart.

JOHN ADDISON PORTER PRIZES IN AMERICAN HISTORY—Class of 1902, 1st Prize, Charles S. Thompson ; 2d Prize, Henry L. Sweinhart, with honorable mention of Henry W. Hamlin and Eugene H. Lehman.

WINTHROP PRIZES—Class of 1903, 1st Prize, Harry B. VanDeventer ; 2d Prize, Herbert C. Kelly.

JOHN HUBBARD CURTIS PRIZES—Class of 1902, Arthur S. Wheeler ; Class of 1903, Henry F. Griffin.

**HENRY JAMES TENEYCK PRIZES** (for the Junior Exhibition)—Class of 1903, 1st Prize, George H. Richards ; 2d Prizes, Harry H. Clark, Joseph Fairbanks, Robert S. Smith, and Antonio J. Waring ; 3d Prizes, Allen C. Bragaw, David U. Cory, Jr., Douglas M. Moffat, Reeve Schley, and David B. Updegraff.

**THACHER PRIZES**—Class of 1903, Harry H. Clark, and Robert H. Ewell.

**SCOTT PRIZE IN GERMAN**—Class of 1903, George S. Leach.

**SCOTT PRIZE IN FRENCH**—Class of 1903, David U. Cory, Jr.

**THE LUCIUS F. ROBINSON PRIZES IN LATIN**—Class of 1902, 2d Prize, Jacob Brown ; 3d Prize, Frederick Beers ; Class of 1903, 1st Prize, Harry B. VanDeventer ; Class of 1904, 1st Prize, Clarence W. Mendell ; 2d Prize, Francis E. Howland ; 3d Prize, Brainerd E. Smith.

**C. WYLLIS BETTS PRIZE**—Class of 1904, Dudley F. Sicher, with honorable mention of Horatio Ford.

**HONORS IN ENGLISH COMPOSITION**—Class of 1904, Gerald Chittenden, Horatio Ford, Henry S. Huntington, Jr., and Dudley F. Sicher.

**ELOCUTION PRIZES**—Class of 1904, 1st Prize, Everett S. Hartwell ; 2d Prizes, Thomas H. Kirkland, and Henry W. Shelton.

**BENJAMIN F. BARGE MATHEMATICAL PRIZES**—Class of 1904, 1st Prize, Harry B. Rice ; 2d Prizes, Seth W. Baldwin, and Frederic E. Pierce ; 3d Prize, Herbert W. Eales ; Class of 1905, 1st Prize, Clifford H. Peek ; 2d Prize, Arthur R. Williams ; 3d Prizes, Paul Curts, Hugh H. Henry, and Albert W. Hull.

**McLAUGHLIN PRIZES**—Class of 1905, 1st Prize, Charles F. Kerrigan ; 2d Prize, Arthur H. Bradford.

**WINSTON TROWBRIDGE TOWNSEND PRIZES**—Class of 1905, Herbert N. Arnstein, Pierpont VanD. Davis, and Raymond H. White.

**BERKELEY PREMIUMS IN LATIN COMPOSITION**—Class of 1905, 1st Grade, John E. Bentley, John B. DeForest, Albert W. Hull, Raymond H. White, Arthur R. Williams ; 2d Grade, Willis A. Countryman, Jr., Allen S. Malcolm, Arthur P. McKinstry, Levi F. Noble, and Arthur I. Taft.

**HUGH CHAMBERLAIN GREEK PRIZE**—Class of 1906, Peter Gow, Holyoke (Mass.) High School.

**SAMUEL HENRY GALPIN LATIN PRIZE**—Class of 1906, Peter Gow, Holyoke (Mass.) High School, with honorable mention of John H. Dougherty, Jr., Brooklyn Polytechnic School, and Raymond J. Brandon, Derby (Conn.) High School.

## UNDERGRADUATE SCHOLARS OF THE HOUSE

YALE COLLEGE, 1902-1903 :

WOOLSEY Scholars—Class of 1903, ELIOT R. CLARK ; Class of 1904, FREDERICK E. PIERCE ; Class of 1905, JOHN E. BENTLEY.

HURLBUT Scholar—Class of 1905, ARTHUR R. WILLIAMS.

THIRD FRESHMAN Scholar—Class of 1905, RAYMOND H. WHITE.

SCOTT HURTT Scholars—Class of 1903, WILLIAM S. SEARLES ; Class of 1904, NEWELL JENNINGS.

THOMAS GLASBY WATERMAN Scholars—Class of 1903, HUGH RANKIN and GEORGE S. LEACH.

DANIEL LORD Scholar—Class of 1903, ELIOT R. CLARK.

JOHN BENNETTO Scholars—Class of 1903, ANTONIO J. WARING ; Class of 1904, LAWRENCE MASON.

ROBERT CALLENDER Scholar—Class of 1904, FREDERICK E. PIERCE.

LEARNED Scholars—Class of 1903, DONALD B. MACLANE ; Class of 1905, ALBERT W. HULL.

ALBERT BARNES PALMER Scholar—Class of 1904, HENRY S. HUNTINGTON, JR.

JOHN J. COX Scholar—Class of 1905, JOHN C. SLADE.

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PRIZES AWARDED IN THE SHEFFIELD SCIENTIFIC  
SCHOOL, JUNE, 1902 :

CLASS OF 1902 :

FOR EXCELLENCE IN MECHANICAL ENGINEERING—William Emanuel Cederberg, B.S., with honorable mention of Albert Turney Brown.

FOR EXCELLENCE IN CIVIL ENGINEERING—To be divided between William Duncan Malcolm and Wyllys Irvin Phelps.

FOR EXCELLENCE IN SANITARY ENGINEERING—Charles Sherman Farnham.

FOR EXCELLENCE IN ELECTRICAL ENGINEERING—William Joseph Canada.

THE BELKNAP PRIZE IN NATURAL HISTORY—Robert Banks Gibson, with honorable mention of Rolfe Kingsley.

PRIZES IN POLITICAL ECONOMY—1st Prize, Albert Herman Jente ; 2d Prize, Lindon Wallace Bates, Jr.

## CLASS OF 1904 :

FOR EXCELLENCE IN ALL THE STUDIES OF THE FRESHMAN YEAR—  
Leigh Page, with honorable mention of Henry Baldwin Fischer.

FOR EXCELLENCE IN PHYSICS—Leigh Page.

FOR EXCELLENCE IN GERMAN—Leigh Paige, with honorable mention  
of Henry Baldwin Fischer and Ernest Charles Webster.

FOR EXCELLENCE IN FRENCH—Edward Eugene Moran.

FOR EXCELLENCE IN CHEMISTRY—Edward Eugene Moran, with hon-  
orable mention of David Henry Miller and Charles Murdock  
Jamieson.

FOR EXCELLENCE IN MECHANICAL DRAWING—Lothrop Crosby.

FOR EXCELLENCE IN MATHEMATICS—Leigh Page, with honorable  
mention of Clarence Moore Blair.

FOR EXCELLENCE IN ENGLISH—Leigh Page, with honorable mention  
of Frank Wesley Pitman, Edward Eugene Moran and Edward  
Ellis Pierpont Roberts.

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SHEFFIELD GRADUATE SCHOLARSHIPS, CLASS OF 1902 :

Edward Monroe Bailey, Albert Turney Brown, Earle Wayne Brown,  
Robert Banks Gibson, Ralph Walker Langley, William Duncan  
Malcolm.

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PRIZES AWARDED IN THE SCHOOL OF FINE ARTS, 1902 :

WILLIAM WIRT WINCHESTER FELLOWSHIP FOR STUDY ABROAD—  
Alice Hull Wetmore, with honorable mention of August Spaen-  
kuch.

ALICE KIMBALL ENGLISH PRIZES (divided)—August Spaenkuch, Anna  
Harriet Pierce, Alice LaBord Brereton.

JOHN F. WEIR SCHOLARSHIPS—Huc Mazelet Luquiens, Franklin Vic-  
tory Sikes.

ETHEL CHILDE WALKER PRIZE—Wallace McBeath.

PRIZE IN COMPOSITION—Huc Mazelet Luquiens.

PRIZE IN ADVANCED ANATOMY—Alice LaBord Brereton.

PRIZE IN ELEMENTARY ANATOMY—George Edwin Westcott, Jr.

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PRIZES AWARDED IN THE DEPARTMENT OF MUSIC, 1902 :

LOCKWOOD SCHOLARSHIP—Sadie Burton Pickett.

STEINERT SCHOLARSHIPS—Clara B. Forbes, Benjamin Franklin Leven-  
thal, James Maurice Porter, Florence Annette Wells.

**PRIZES AWARDED IN THE MEDICAL SCHOOL, MAY, 1902 :**

**THE CAMPBELL GOLD MEDAL**—Thomas A. O'Brien, Ph.B.

**THE KEESE PRIZE**—Gaston H. Edwards, M.S., with honorable mention of Edward S. Brackett, B.A., Victor A. Kowalewski, B.A.

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**PRIZES AWARDED IN THE DIVINITY SCHOOL, 1902 :**

**DOWNES PRIZES**—Class of 1901, James F. Gregory, B.A., Masukichi Matsumoto, M.A.; Class of 1902, Frederick W. Raymond, B.A., John S. Samuel.

**FIRST TERM (1901).**

**FOGG SCHOLARSHIPS**—Class of 1903, Raymond G. Clapp, B.A., James E. Gregg, B.A.; Class of 1904, George D. Castor, B.A., Harold Hunting, B.A.

**ALLIS SCHOLARSHIPS**—Class of 1902, Warren D. Bigelow, B.A., Shelton Bissell, B.A., Frank J. Bruno, B.A., Frederick W. Raymond, B.A.; Class of 1903, Robert R. Harwell, B.A., Henry F. Smith, B.A.; Class of 1904, William R. Hamlin, B.A., Evan W. Scott, B.A.

**SECOND TERM (1902).**

**FOGG SCHOLARSHIPS**—Class of 1903, Raymond G. Clapp, B.A., James E. Gregg, B.A.; Class of 1904, George D. Castor, B.A., Harold Hunting, B.A.

**ALLIS SCHOLARSHIPS**—Class of 1902, Warren D. Bigelow, B.A., Frank J. Bruno, B.A., Hall Laurie Calhoun, B.A.; Class of 1903, Robert R. Harwell, B.A., Henry F. Smith, B.A.; Class of 1904, Shirley J. Case, B.A., Judson L. Cross, B.A., William R. Hamlin, B.A.

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**PRIZES AWARDED IN THE LAW SCHOOL, JUNE, 1902 :**

**THE TOWNSEND PRIZE**—James Mark Sullivan.

**THE JOSEPH PARKER PRIZE**—Louis Agassiz Dyar.

**THE EDWARD THOMPSON COMPANY PRIZE**—Edward Henry Kelly.

**THE MUNSON PRIZE**—Henry Rumford Thompson, B.A.

**THE JEWELL PRIZE**—Clarence Whittlesey Bronson, B.A.

**THE BETTS PRIZE**—George Newell Whittlesey, B.A.

**THE WAYLAND PRIZES :**

First. Charles D. Lockwood, Ph.B.

Second. James Mark Sullivan.

Third. George William Crawford, B.A.

**THE MONTGOMERY PRIZE**—William MacDonald.



**KENT CLUB DIPLOMAS** for excellence in debate in the regular exercises of the Yale Kent Club were awarded to the following members of the Class of 1902 :

Lucius Pomeroy Fuller, B.A.  
Abner Pierce Hayes, B.A.  
Oscar Olaus Lamontagne, B.A.  
Charles Tressler Lark, B.A.  
John Frank Malley.  
James Mark Sullivan.  
Henry Bruce Teller, B.A.  
Henry Rumford Thompson, B.A.



**PART VII**

**LISTS OF STUDENTS, DIRECTORY  
AND INDEX**



# LISTS OF STUDENTS

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## DEPARTMENT OF PHILOSOPHY AND THE ARTS

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### GRADUATE SCHOOL

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[The major subject of study is stated in each case. Students marked "A." are pursuing courses of study in absence under the direction of the Faculty for the degree of Master of Arts, Mechanical Engineer, or Civil Engineer.]

Yoshibumi Abe, B.A. Missouri Valley College 1899, B.D. Cumberland University 1902	<i>Tsuruoka Yamagata, Japan</i> 691 W. D. Philosophy
George Ferdinand Abel, B.A. Pennsylvania College 1897, B.D. Yale University 1900	<i>Philadelphia, Pa.</i> 647 E. D. Philosophy
Arthur Adams, B.A. Rutgers College 1902	<i>Ocean City, N. J.</i> 65 York st. English
John Chester Adams, B.A. Yale University 1896, M.A. 1898	<i>New Haven, Conn.</i> 75 Mansfield st. English
Walter Maxwell Adriance, B.A. Yale University 1900	<i>St. Louis, Mo.</i> 387 Temple st. Economics
Hubert Hillary Sufferin Aimes, PH.B. Yale University 1897	<i>West Haven, Conn.</i> West Haven History
Carroll Storrs Alden, B.A. Yale University 1898, M.A. 1901	<i>Chicago, Ill.</i> 139 Dwight st. English
Mary Adèle Allen, B.A. Smith College 1886	<i>Holyoke, Mass.</i> 83 Grove st. Greek
May Alice Allen, B.A. Smith College 1901	<i>Yarmouthville, Me.</i> 79 Lake pl. Greek
William Gilbert Anderson, M.D. Western Reserve Univ. 1883, B.A. Yale University 1902	<i>Cleveland, O.</i> 120 College st. Biology

William Irving Andruss, B. A. Beloit College 1896	<i>Amboy, Ill.</i>	333 Crown st. Music and English
Addison Clark Angus, B.A. Yale University 1901	<i>Oakham, Mass.</i>	Gymnasium Physical Science
John Appleton, B.A. Bowdoin College 1902	<i>Bangor, Me.</i>	78 Lake pl. Botany
Der Mahdesian Gabriel Arshag, B.A. Euphrates College 1896	<i>Harpoor, Turkey</i>	95 Goffe st. English
Herbert Bassett Augur, B.A. Yale University 1897	<i>Portland, Oregon</i>	A. History
Edward Monroe Bailey, Jr., PH.B. Yale University 1902	<i>Middletown, Conn.</i>	297 York st. Chemistry
George Merrick Baker, B.A. Yale University 1900	<i>Hartford, Conn.</i>	126 High st. German
Hugh Potter Baker, B.S. Michigan Agr. College 1901	<i>St. Croix, Mich.</i>	78 Lake pl. Botany
Cecil Kittredge Bancroft, B.A. Yale University 1891	<i>Andover, Mass.</i>	213 D. Classics
Julian Thomas Barclay, B.A. Bethany College 1898, M.A. 1902	<i>Bethany, W. Va.</i>	61 Park st. Spanish
Arthur Henry Bartlett, B.A. Yale University 1898, M.A. 1900	<i>Plainville, Conn.</i>	276 Crown st. English
Samuel Eliot Bassett, B.A. Yale University 1898	<i>New Haven, Conn.</i>	40 Whalley av. Classical Philosophy
William Henry Bawden, B.A. Columbia University 1893, Union Theol. Seminary 1896	<i>New Haven, Conn.</i>	185½ Dixwell av. Biblical Literature
Hugh Aiken Bayne, B.A. Yale University 1892	<i>New York City</i>	A. History
Grace Alida Beebe, PH.B. Wesleyan University 1901	<i>New Haven, Conn.</i>	23 Prince st. French
Silas Palmer Beebe, B.S. Harvard University 1900, M.S. Yale University 1902	<i>New Haven, Conn.</i>	22 Tilton st. Physiological Chemistry
Mary Kendrick Benedict, B.A. Vassar College 1897	<i>Cincinnati, O.</i>	84 Wall st. Philosophy
Allen Rogers Benham, B.A. University of Minnesota 1900, M.A. 1901	<i>St. Paul, Minn.</i>	119 Park st. English
Gilbert Giddings Benjamin, PH.B. Syracuse University 1899	<i>Buffalo, N. Y.</i>	685 W. D. History

Stephen Alexander Bennett, B.A. Talladega College 1900	Birmingham, Ala. Mathematics	666 W. D.
Henry Davenport Blackwell, B.A. Randolph-Macon College 1890	Bethel Academy, Va. English	3 Sylvan av.
John Charles Blake, B.S. University of Colorado 1901	Boulder, Colo. Chemistry	130 Wall st.
Stanley Francis Blomfield, B.A. Olivet College 1895, B.D. Yale University 1899	Stony Creek, Conn. Biblical Literature	Stony Creek
Harold Cornelius Bradley, B.A. University of California 1900	Berkeley, Cal. Biology	333 York st.
Edward Dudley Bradstreet, B.A. Yale University 1901	Meriden, Conn. Fine Arts	Meriden
Henrietta Foster Brewer, B.A. University of California 1895	Oakland, Cal. Classics	56 Grove st.
John Henry Bridges, B.S. Florida State Agr. Coll. 1902	Barton, Fla. Botany and Mineralogy	299 Norton st.
Howard Stanley Bristol, PH.B. Yale University 1902	Meriden, Conn. Chemistry	333 York st.
Halbert Hains Britan, B.A. Hanover College 1898	Hanover, Ind. Philosophy	1136 Chapel st.
Wilton Everett Britton, B.S. New Hampshire College Agric. 1893	New Haven, Conn. Botany	1317 Boulevard
Ormus LeRoy Brockett, B.S. Tarkio College 1900	Tarkio, Mo. Economics	144 Dwight st.
Zula Marie Brockett, B.S. Tarkio College 1900	Tarkio, Mo. English	131 Howe st.
Howard Logan Bronson, B.A. Yale University 1900	New Haven, Conn. Physics	1233 Chapel st.
Herbert Bruce Brougham, B.A. Yale University 1902	Ithaca, N. Y. English	37 College st.
Albert Turney Brown, PH.B. Yale University 1902	Fairfield, Conn. Mechanical Engineering	122 Wall st.
Earle Wayne Brown, PH.B. Yale University 1902	Comstock's Bridge, Conn. Mechanical Engineering	122 Wall st.
Herbert Stanley Brown, B.A. Yale University 1881, B.D. 1886	Darien, Conn. Biblical Literature	Darien
Horatio Jones Brown, B.A. Union University 1901	Schenectady, N. Y. Botany and Mineralogy	182 Mansfield st.

James Brown, B.A. Yale University 1902	Buffalo, N. Y. Chemistry	434 FW.
Lester Dorman Brown, B.A. University of Wooster 1894	Wooster, O. Greek	373 Crown st.
Lucy Burns, B.A. Vassar College 1902	Brooklyn, N. Y. English	1239 Chapel st.
Katharine Jeannette Bush, PH.D. Yale University 1901	New Haven, Conn. Natural Science	133 Howe st.
George Whitfield Butts, PH.B. Yale University 1902	New York City Mechanical Engineering	152 Grove st.
Marian Dickinson Campbell, B.A. Radcliffe College 1899	Middlefield, Conn. English	331 Temple st.
Henry Seidel Canby, PH.B. Yale University 1899	Wilmington, Del. English	701 W. D.
*Frederic James Carnell, PH.B. Yale University 1900	Bristol, Conn. Physics	344 Elm st.
Edgar Edgecombe Carter, B.A. Bowdoin College 1902	Bath, Me. Botany and Mineralogy	104 York sq.
Otho Granford Cartwright, B.A. Yale University 1893, M.A. 1901	New Haven, Conn. American History	119 Wall st.
Lacey Davis Caskey, B.A. Yale University 1901	Yonkers, N. Y. Greek	Athens, Greece
Gaetano Cavicchia, B.A. French-American College 1902	Newark, N. J. Romance Language	47 Lake pl.
Andrew Burns Chalmers, B.A. Eureka College 1889	New Haven, Conn. Philosophy	88 E. Pearl st.
Walter Lawrence Chamberlain, B.A. Yale University 1902	Springfield, Mass. English	933 Elm st.
Samuel Hopkins Clapp, B.A. Yale University 1901	Pawtucket, R. I. Chemistry	662 W. D.
Alexander Ray Clark, Jr., B.A. Yale University 1895	New York City Economics	A.
Charles Upson Clark, B.A. Yale University 1897	New Haven, Conn. Latin	266 Edgewood av.
John Putnam Clark, M.A. . Tufts College 1900	Meriden, Conn. English	Meriden
Elizabeth Whittlesey Cleaveland, PH.B. Chicago University 1902	Lakeville, Conn. English	89 Whalley av.

\* Deceased Nov, 15, 1902



Frederick Sears Coe, PH.B. Yale University 1899	Newark, N. J. Mechanical Engineering	A.
William Sloane Coffin, B.A. Yale University 1900	New York City Political and Social Science	A.
Gertrude Poor Cole, B.A. Wellesley College 1901	Peabody, Mass. 551 Orange st. Pedagogics	
George Lucius Collie, B.S. Beloit College 1881, PH.D. Harvard University 1893	Beloit, Wisc. 316 Crown st. Paleontology	
Winfield Hazlitt Collins, B.A. Western Maryland College 1894, M.A. Yale University 1900	Reeds Grove, Md. 254 Crown st. History	
Henry H. Conover, B.S. Rutgers College 1900, M.S. Yale University 1902	New Brunswick, N. J. 120 York st. Mathematics	
Charles Edward Cory, PH.B. Drake University, M.A.	Des Moines, Iowa 800 George st. Philosophy	
William Bronson Cramer, PH.B. Yale University 1902	Ansonia, Conn. 57 Prospect st. Chemistry	
Francis Cross, B.A. Yale University 1900	New Haven, Conn. 156 Spring st. Classics	
Edgar Roscoe Cumings, B.A. Union College 1897	Madison, O. 22 Whalley av. Geology and Paleontology	
Robert William Curtis, B.S. Trinity College 1896	Hartford, Conn. Hartford Chemistry	
James Elbert Cutler, B.A. University of Colorado 1900	Boulder, Colo. 373 Crown st. Political and Social Science	
Enid Daniel, B.S. Lebanon Valley College 1900	Philadelphia, Pa. 64 Howe st. Philosophy	
Albert Sargent Davis, B.A. Yale University 1896	New York City English	A.
Carl Willis Davis, B.A. Yale University 1902	Hartford, Conn. English	A.
Clarence Shepard Day, Jr., B.A. Yale University 1896	New York City English	A.
George Parmly Day, B.A. Yale University 1897	New York City English	A.
Sidney Norton Deane, B.A. Yale University 1902	Northfield, N. Y. 148 F. Classics	
Ella Marinda Deyo, B.A. Mt. Holyoke College 1897	Honeoye, N. Y. 397 Crown st. Greek, Latin	

- Sherwood Owen Dickerman, B.A. *New Haven, Conn.* 267 L.  
Yale University 1896 Classics
- William Frederick Dickerman, M.A. *New Haven, Conn.* 276 Orange st.  
Florida University 1885, Geology  
National Normal University 1902
- John Casper Diehl, B.A. *Erie, Pa.* A.  
Yale University 1887 Latin
- Edward Lewis Dodd, B.A. *Cleveland, O.* 120 York st.  
Western Reserve University 1897, M.A. 1901, Mathematics  
M.A. Yale University 1902
- Loring Holmes Dodd, B.A. *New Haven, Conn.* 82 Admiral st.  
Dartmouth College 1900, English  
M.A. Columbia University 1901
- Samuel Henry Dodson, PH.B. *Syracuse, N. Y.* 22 Whalley av.  
Syracuse University 1900 History
- Peter Tracy Dondlinger, B.A. *Lebanon, O.* 486 Elm st.  
National Normal University 1899 Social Science
- Joseph William Dows, B.A. *Providence, R. I.* Wallingford  
Brown University 1899 Pedagogy
- Samuel William Dudley, PH.B. *Westville, Conn.* Westville  
Yale University 1900 Mechanical Engineering
- Ellen Duncan, B.L. *Waco, Tex.* 153 Franklin st.  
Baylor University 1897, M.L. 1900 History
- Harold Benjamin Eastman, B.S. *Portland, Me.* 74 Lake pl.  
Bowdoin College 1902 Botany
- Richard Henry Edwards, B.A. *Lisle, N. Y.* 2 Dwight Hall  
Yale University 1901, M.A. 1902 Biblical Literature
- Albert Ehgott, B.D. *New Haven, Conn.* 60 Whalley av.  
Rochester Theological Seminary 1895 Biblical Literature
- Morgan Shuit Elmer, PH.B. *Central Valley, N. Y.* 57 Prospect st.  
Yale University 1902 Chemistry
- Clara Eliza Emerson, B.A. *Beloit, Wisc.* 89 Whalley av.  
Wellesley College 1891 English
- Sara Anna Emerson, B.A. *Watertown, Mass.* 79 Howe st.  
Boston University 1877 Biblical Literature
- Charles Telford Erickson, B.A. *Indianola, Iowa* 32 Grove st.  
DePauw University 1891, M.A. 1893, Comparative Religion and  
B.D. Boston University 1895 Missions
- Ida Josephine Everett, B.L. *Norwood, Mass.* 32 Howe st.  
Mt. Holyoke College 1893 English Literature

Arthur Henry Ralph Fairchild, B.A. University of Toronto 1900	<i>Toronto, Canada</i>	373 Crown st. Philosophy
Fred Rogers Fairchild, B.A. Doane College 1898	<i>Crete, Nebr.</i>	373 Crown st. Economics
Hollon Augustine Farr, B.A. Yale University 1896, M.A. 1902	<i>Athol, Mass.</i>	170 F. German
Cassius Asa Fisher, B.A. University of Nebraska 1898, M.A. 1900	<i>Sweden, Nebr.</i>	92 Dwight st. Geology
Charles Paxson Flora, B.A. Yale University 1902	<i>Columbia, Pa.</i>	8 Prospect pl. Chemistry
Joseph Fogelberg, B.A. Bethany College 1899	<i>Lindsborg, Kans.</i>	128 Wall st. German
William Ebenezer Ford, Jr., PH.B. Yale University 1899	<i>New Haven, Conn.</i>	16 Lynwood pl. Mineralogy
Harold Day Foster, B.A. Williams College 1902	<i>Auburndale, Mass.</i>	104 York sq. Botany and Mineralogy
George Levi Fox, B.A. Yale University 1874, LL.B. 1879, M.A. 1885	<i>New Haven, Conn.</i>	7 College st. Classics
Hubert Bruce Fuller, B.A. Columbian University 1900, Yale University 1901	<i>Washington, D. C.</i>	A. History
Stanley Leman Galpin, B.A. Western Reserve University 1901, M.A. Yale University 1902	<i>New Haven, Conn.</i>	77 Mansfield st. Romance Languages
Winifred Stowe Galpin, PH.B. Western Reserve University 1901	<i>New Haven, Conn.</i>	77 Mansfield st. Romance Language
Arthur James Gammack, B.A. Trinity College, Toronto, 1891, M.A. 1902	<i>West Haven, Conn.</i>	West Haven Biblical Literature
William VanNest Garretson, B.S. Rutgers College 1902	<i>Somerville, N. J.</i>	65 York st. Mathematics
Milton Stahl Garver, B.A. Western Reserve University 1901, M.A. Yale University 1902	<i>Tiffin, O.</i>	122 Howe st. Romance Languages
Robert Banks Gibson, PH.B. Yale University 1902	<i>New Haven, Conn.</i>	18 Trumbull st. Physiological Chemistry
Fred Macdonald Gilbert, B.A. Yale University 1898	<i>Brooklyn, N. Y.</i>	A. Biblical Literature
Ralph Davis Gilbert, B.S. Boston University 1900	<i>Gilead, Conn.</i>	Kent Lab'y Chemistry

- Edward Franklin Goin, B.A. *Birmingham, Ala.* 34 Foote st.  
Fisk University 1898, Biblical Literature  
B.D. Oberlin Theological Seminary
- Viola White Goin, B.A. *Birmingham, Ala.* 34 Foote st.  
Oberlin College 1901 English Literature
- Thomas Warrington Gosling, B.A. *Cincinnati, O.* A.  
Yale University 1894 English
- Arthur Leopold Temple Gould, B.L. *Claremont, Cal.* 46 Lake pl.  
Pomona College 1901 Philosophy
- Benjamin Spencer Gowen, B.A. *Winchester, Tenn.* 486 Elm st.  
Yale University 1901, M.A. 1902 Philosophy
- Arthur Harmount Graves, B.A. *Hartford, Conn.* 48 N. S. H.  
Yale University 1900 Botany
- William Buckhout Greeley, B.L. *Oakland, Cal.* 83 Sachem st.  
University of California 1901 Botany and Mineralogy
- Anna B. Griffiths, B.A. *Yorkville, N. Y.* Milford  
Vassar College 1901 Pedagogy
- Albert Edward Gubelmann, B.A. *Rochester, N. Y.* 12 Broad st.  
University of Rochester 1897, M.A. 1900, German  
M.A. Yale University 1902
- Harvey Hugo Guy, B.A. *Tokyo, Japan* 696 W. D.  
Drake University 1893 Biblical Literature
- Walter Brooke Hadley, B.S. *Newberg, Oregon* 94 Divine st.  
Pacific College 1901 Mineralogy
- Lars Johan Evald Hallender *Sköfde, Sweden* 31 1/2 Broadway  
Nya Elementarskolan, Stockholm, 1891 German  
Upsala University, Sweden, 1893
- Frank Percival Hamilton, B.A. *Boston, Mass.* 74 Lake pl.  
Colby College 1902 Botany and Mineralogy
- William Frederick Hamilton, B.A. *New Haven, Conn.* 131 Wash'n av.  
Yale University 1901 Philosophy
- Austin Morris Harmon, B.A. *Brockport, N. Y.* 213 York st.  
Williams College 1902 Greek
- John Mitchell Harper, B.A. *Terre Haute, Ind.* 613 E. D.  
De Pauw University 1899 Philosophy
- Frederick Brown Harrison, PH.B. *New Haven, Conn.* 83 Grove st.  
Yale University 1899 English
- Isao Hata, B.L. *Buzen, Japan* 561 Howard av.  
University of Nashville 1899 Philosophy

Ernest Hausberg, B.A. Yale University 1901	Charles City, Iowa English	A.
Ralph Chipman Hawley, B.A. Amherst College 1901	Amherst, Mass. 214 Dixwell av. Botany and Mineralogy	
Aurelia Isabel Henry, B.L. University of California 1898	Berkeley, Cal. 82 York sq. English	
George Garr Henry, B.A. Yale University 1901	Washington, D. C. English	A.
Ishiro Hirano, B.A. Keiozizuku University 1902	Tokyo, Japan 373 Crown st. Economics	
Yukichi Hokodachi Middle School 1899	Japan 363 Crown st. Mineralogy	
Louis Halsey Holden, B.A. Yale University 1895, M.A. Columbia University 1897, B.D. Union Theological Seminary 1898	Waterbury, Conn. Waterbury Biblical Literature	
Lucius Hudson Holt, B.A. Yale University 1902	Hartford, Conn. 84 Wall st. English	
Milton Carter Holt, B.A. Acadia College 1898	Crowley, La. 687 W. D. Biblical Literature	
May Engstrom Hoss, B.A. Baker University 1889, M.A. University of Kansas 1902	Lawrence, Kans. 20 Eld st. English	
Albert Kemp Hubbard, PH.B. Yale University 1901	Kane, Pa. 113 College st. Civil Engineering	
Clara Marvin Hubbell, B.A. Smith College 1887	Detroit, Mich. 409 Orange st. English	
William Southworth Hunt, B.A. Yale University 1901	Newark, N. J. English	A.
Albert S. Hurst, B.A. Ontario University 1899	Morpeth, Ontario Bridgeport Philosophy	
William Albert Hyde, PH.B. Yale University 1901	North Haven, Conn. 86 Pearl st. Physics	
Lola LaMotte Iddings, B.A. Vassar College 1889	Orange, N. J. Orange English	
George Samuel Jamieson, PH.B. Yale University 1901	Bridgeport, Conn. S. L. Chemistry	
Paul Julius Herman Jente, PH.B. Yale University 1902	New Haven, Conn. 97 Bristol st. Mechanical Engineering	
Wilhelm Julius Edward Jente, B.A. Yale University 1897, M.A. 1902	New Haven, Conn. 97 Bristol st. German	

Carl Wilhelm Johnson, B.A. Bethany College 1900, M.A. Yale University 1902	<i>Lindsborg, Kans.</i> German	33 Lock st.
Hjalmar Philip Johnson, B.A. Bethany College 1901	<i>Lindsborg, Kans.</i> English	174 Bradley st.
William Savage Johnson, B.A. Yale University 1900	<i>Meriden, Conn.</i> English	311 York st.
Eva Soule Jones, B.A. Wells College 1897	<i>New Haven, Conn.</i> English	387 Edgewood av.
Frank Oscar Jones, B.A. Brown University 1897	<i>New Haven, Conn.</i> Philosophy	387 Edgewood av.
Arthur Brown Joy, B.A. St. Lawrence University 1898, M.A. Yale University 1902	<i>Meriden, Conn.</i> Classics	33 Wall st.
Jiroku Kawabe Doshisha College 1893, M.A. Yale University 1900	<i>Kyoto, Japan</i> Philosophy	363 Crown st.
Robert Henry Keener, B.A. Yale University 1899, M.A. 1901	<i>St. Joseph, Mo.</i> Classics	148 Norton st.
Paul Delmar Kelleter, B.A. Washington University 1902	<i>St. Louis, Mo.</i> Botany and Mineralogy	30 Tilton st.
Andrew Keogh	<i>New Haven, Conn.</i> Modern Languages	751 George st.
Edwin Burruss King, B.A. Yale University 1898	<i>Southboro, Mass.</i> English	A.
Linus Warner Kling, B.A. Augustana College 1892, M.A. University of Nebraska 1899	<i>Rock Island, Ill.</i> Latin	105 Park st.
Lolo Margaret Knepper, B.A. University of Idaho 1898, M.A. University of California 1900	<i>Lewiston, Idaho</i> English	366 Whalley av.
Arthur Potter Knight, PH.B. Yale University 1901	<i>Rome, N. Y.</i> Civil Engineering	132 Wall st.
Joseph Lehn Kreider, B.S. Lebanon Valley College	<i>Annville, Pa.</i> Chemistry	281 Crown st.
Tozaburo Kudo, M.A. DePauw University 1897, M.A. Yale University 1901	<i>Tokio, Japan.</i> Philosophy	722 W. D.
Beverly Waugh Kunkel, PH.B. Yale University 1901	<i>Harrisburg, Pa.</i> Biology	2 Hillhouse av.

- Yoshihiko Kurata *Nagato, Hagi, Japan* 6 Trumbull st.  
Keiogijiku College 1897 Economics
- Ralph Walker Langley, PH.B. *New Haven, Conn.* 229 Blatchley av.  
Yale University 1902 Physiology and Physical Chemistry
- William Gilbert Lathrop, B.A. *Shelton, Conn.* Shelton  
Brown University 1889, Social Science  
B.D. Yale University 1892
- Anna Cornelia Latimer, B.A. *Newington Junc., Conn.* 1179 Chapel st.  
Mt. Holyoke College 1898 English
- Charles Stanley Leavenworth, PH.B. *Hamden, Conn.* Whitneyville  
Yale University 1902 Chemistry
- Frederick Lent, B.A. *New Bedford, Mass.* 129 Dwight st.  
Brown University 1900, M.A. 1901, Biblical Literature  
B.D. Newton Theol. Institute 1900
- Oliver Clarence Lester, B.A. *Fayette, Mo.* 497 Elm st.  
Central College 1897, M.A. 1898, Mathematics and Physics  
M.A. Yale University 1902
- Edwin Colby Lewis, B.A. *St. Johnsbury, Vt.* A.  
Yale University 1901 Economics
- Frederick Nye Lindsay, B.A. *Charlotte, N. Y.* A.  
Yale University 1889, B.D. 1894 Philosophy
- Herbert Norton Loomis, B.S. *New Haven, Conn.* 18 Ward st.  
Harvard University 1901 Philosophy
- James Lee Loomis, B.A. *Granby, Conn.* 114 High st.  
Yale University 1901 History and Economics
- George Blakeman Lovell, B.A. *Guilford, Conn.* Guilford  
Yale University 1901 Psychology
- Gilbert Lovell, B.A. *Plainfield, N. J.* A.  
Yale University 1900 Biblical Literature
- Frederick Bliss Luquiens, B.A. *New Haven, Conn.* 201 Bishop st.  
Yale University 1897 Romance Languages
- Adam Ruth Lutz, B.A. *Strasburg, Pa.* Bethlehem  
Franklin and Marshall College 1896 Biblical Literature
- Oliver Perry McAuley, B.A. *Valparaiso, Ind.* 361 Orange st.  
Valparaiso College 1887, M.A. 1894 History
- Frank Mitchell McClenahan, B.A. *Allegheny City, Pa.* 131 Dwight st.  
Tarkio College 1896, Chemistry  
B.A. Yale University 1900, M.A. 1901
- Raymond Benedict McClenon, B.A. *Huron, S. D.* 366 Whalley av.  
Yankton College 1902 Philosophy and Mathematics
- David Ford McFarland, B.A. *Lawrence, Kans.* 22 Whalley av.  
University of Kansas 1900, M.A. 1901 Organic Chemistry

Margaret McLaughlin, B.A. National Normal University 1890	Smithland, Tenn. 486 Elm st. English and History
Washiro Maki Doshisha College 1892	Yamanashi-Ken, Japan 32 Grove st. Philosophy
William Duncan Malcolm, PH.B. Yale University 1902	New Haven, Conn. 33 Bishop st. Civil Engineering
Herbert Samuel Mallory, PH.B. Western Reserve Univ. 1899, M.A. 1900	Akron, O. 87 Dwight st. English
Milton Mozart Marble, B.A. Harvard University 1889	New Haven, Conn. 1589 Chapel st. Mineralogy
Herbert Martin, B.A. Kentucky University 1899, M.A. 1900	Lexington, Ky. 723 Elm st. Philosophy
Otojiro Matsuo Doshisha College 1889	Tokyo, Japan 6 Trumbull st. Economics
Ralph Nelson Maxson, B.S. Rhode Island State College 1902	Westerly, R. I. 87 Dwight st. Chemistry
Colton Maynard, B.A. Yale University 1901	Baltimore, Md. A. History and English
Rufus Mead, PH.B. Colorado College 1902	Highland Lake, Colo. 378 Crown st. Economics and History
Herbert Edwin Medway, B.A. Yale University 1900	Daleville, Pa. 64 Lake pl. Chemistry
Henry Franklin Merriam, PH.B. Yale University 1900	Summit, N. J. 162 S. L. Organic Chemistry
Hamilton Griswold Merrill, B. A. Amherst College 1900	Andover, Mass. 104 Prospect st. Mineralogy and Botany
Helen Abbott Merrill, B.A. Wellesley College 1886	Brentwood, N. Y. 37 Howe st. Mathematics
Ernest Loren Merritt, B.A. Wesleyan University 1891	West Eaton, N. Y. 49 Carmel st. Latin
Walter Eugene Meyer, B.A. Yale University 1901	New York City A. English
Kumazo Mikami, B.D. Trinity College, Japan, 1890	Tokyo, Japan 6 Trumbull st. Economics
Frank S. Miller, PH.B. State University of Iowa 1900	Red Oak, Iowa 74 Lake pl. Mineralogy
Hiram Miller, PH.B. Yale University 1901	Middlefield, Conn. 223 York st. Sanitary Engineering
Louis Christian Miller, B.S. Oklahoma Agr. and Mech. College 1900	Stillwater, Okla. 94 Division st. Botany



Annie Sybil Montague, B.A. Wellesley College 1879, M.A. 1882	Cambridge, Mass. Greek	37 Howe st.
Jitaro Mori Doshisha College 1894	Iyo, Japan Political and Social Science	263 Crown st.
Sidney Byron Morton, B.A. Yale University 1900	Chicago, Ill. Latin and Greek	1157 Chapel st.
Russell Mott, B.A. Yale University 1901	Michigan City, Ind. English	A.
Jesse Benton Mowry, B.S. Norwich University, Vt., 1892	Chepachet, R. I. Biology and Geology	18 Court st.
Daniel Leeper Munipower, B.A. Central College 1902	Fayette, Mo. Economics and History	47 Lake pl.
Tsutomu Murata Doshisha College 1887	Kyoto, Japan Biblical Literature	708 W. D.
Herbert Spencer Murch, B.A. University of Oregon 1898	Coburg, Oregon English	373 Crown st.
Watson Nicholson, B.A. Leland Stanford Jr. Univ. 1892, M.A. Harvard Univ. 1895	Redlands, Cal. English	514 George st.
Nariyoshi Nishiike Doshisha College 1893	Kyoto, Japan Economics	373 Crown st.
Wallace Notestein, B.A. University of Wooster 1900	Wooster, O. English	1157 Chapel st.
Shigekichi Omura, B.A. Denver University 1900	Fukuoka Ken, Japan Philosophy	32 Grove st.
Herman Max Opitz, B.A. Yale University 1900	Norwich, Conn. German	120 York st.
Rufus Melvin Overlander, LL.B. Yale University 1897, B.A. 1898	New Haven, Conn. Economics	373 Crown st.
Andrew Dickson Packer, B.A. Yale University 1902	Brooklyn, N. Y. English	A.
Jennie Alice Park, B.S. Mt. Holyoke College 1896	Exeter, Conn. Mathematics	230 Oak pl.
Mary Isabel Park, B.A. Mt. Holyoke College 1893	Exeter, Conn. Philosophy	230 Oak pl.
William White Wilson Parker, B.A. Yale University 1893	Washington, D. C. History	A.
Allan Bouton Patterson, B.S. Dartmouth College 1898	Concord, N. H. Mineralogy and Botany	8 Prospect pl.

Aaron Perry, B.A. Acadia University 1901 M.A. 1902	<i>St. John, N. B.</i> 68 Whalley av. English
Conrad Peterson, B.A. Augustana College 1901	<i>Arlington, N. Y.</i> 124½ Park st. Philosophy and History
Lemuel Gardner Pettee, B.A. Yale University 1898	<i>Simsbury, Conn.</i> A. Economics
Edgar Heaton Price, B.A. Drury College 1895, B.D. Yale University 1898	<i>Carthage, Mo.</i> 680 W. D. Sociology
Oscar Stoddard Pulman, Jr., B.A. Yale University 1900	<i>Albany, N. Y.</i> Kent Lab'y Chemistry
Albert Hutchinson Putney, B.A. Yale University 1893 LL.B. Boston University 1895	<i>Chicago, Ill.</i> A. History
Ernest Martin Quittmeyer, B.A. Wesleyan University 1899, M.A. Yale University 1901	<i>Bridgeport, Conn.</i> Bridgeport Philosophy
Edward Everett Rall, B.A. University of Iowa 1900	<i>Cedar Falls, Iowa</i> 224 Oak pl. Philosophy
John Arthur Ray, B.A. Baylor University 1898, B.A. Yale University 1899	<i>Waco, Tex.</i> A. German
Percy Edward Raymond, B.A. Cornell University 1902	<i>New Canaan, Conn.</i> 73 Lake pl. Paleontology
Jeremiah Rebmann, B.S. University of Nebraska 1898	<i>Lincoln, Nebr.</i> 313 Winchester av. Mineralogy
Paul Goodwin Redington, B.A. Dartmouth College 1900	<i>Evanston, Ill.</i> 8 Prospect pl. Mineralogy and Botany
John Pierrepont Rice, B.A. Yale University 1900, M.A. 1901	<i>Santa Barbara, Cal.</i> 707 W. D. Romance Languages
Allan Douglas Risteen, B.S. Worcester Polytechnic Institute 1885	<i>Hartford, Conn.</i> Hartford Mathematical Physics
Frederick Oscar Robbins, B.A. Yale University 1896	<i>New Haven, Conn.</i> 341 Winthrop av. Romance Languages
John Nelson Robertson, B.A. Toronto University 1897	<i>Toronto, Can.</i> 124½ Park st. Latin
William Spence Robertson, B.L. University of Wisconsin 1899	<i>Oxford, Wisc.</i> 23 Lynwood pl. History
Chalfant Robinson, B.L. University of Cincinnati 1893, Ph.D. Yale University 1902	<i>New Haven, Conn.</i> 68 Trumbull st. History

- Henry Hollister Robinson, PH.B. *Hartford, Conn.* 333 York st.  
Yale University 1895, C.E. 1897 Natural Science
- Robert Kilburn Root, B.A. *New Haven, Conn.* 26 Edgewood av.  
Yale University 1898, PH.D. 1902. English
- Henry Nichols Sanborn, B.A. *Boston, Mass.* 217 York st.  
Dartmouth College 1902 English
- Charles Edward Sargent, M.A. *New Haven, Conn.* 20 Eld st.  
Bates College 1883 Political and Social Science
- Clifton James Sarle, B.S. *Rochester, N. Y.* 545 Howard av.  
University of Rochester 1902 Paleontology
- Samuel Scoville, B.A. *Philadelphia, Pa.* A.  
Yale University 1893 Scandinavian Languages
- Avery Turner Searle, B.A. *Claremont, Cal.* 159 Blake st.  
Pomona College 1896 Mineralogy and Botany
- Elias Howard Sellards, B.A. *Lawrence, Kans.* 22 Whalley av.  
Univ. of Kansas 1899, M.A. 1900 Paleobotany
- Genzaburo Seshimo *Gunmaken, Japan* 6 Trumbull st.  
Waseda University 1902 Political Economy
- Ichino Shibata, B.A. *Tokyo, Japan* 44 High st.  
Keiogijuku University 1901, Philosophy of Religion  
M.A. Yale University 1902
- Frederick Lafayette Shinn, B.A. *Montpelier, Ind.* 47 Lake pl.  
Indiana University 1901, M.A. 1902 Chemistry
- Kazutomo Siki *Japan* 6 Trumbull st.  
Tokyo Semmon-Gakko 1894 Political Economy
- William Ernest Andrew Slaght, B.A. *Westbrook, Conn.* Westbrook  
Toronto University 1898, Biblical Literature  
B.D. Yale University 1902
- Andrew Sledd, M.A. *Norfolk, Va.* 78 Lake pl.  
Randolph-Macon College 1894, Latin  
M.A. Harvard University 1896
- Burke Smith, B.S. *Auburn, Wash.* 1136 Chapel st.  
University of Washington 1899 Mathematics
- Clara Eliza Smith, B.A. *Northford, Conn.* 577 Elm st.  
Mt. Holyoke College 1902 Mathematics
- Clinton Gold Smith, B.AGR. *Atlanta, Ga.* 182 Mansfield st.  
Conn. Agricultural College 1898 Mineralogy and Botany
- Ernest Walker Smith, B.A. *Farmington, Conn.* A.  
Yale University 1901 English
- Keith Smith, B.A. *Manila, Utah* A.  
Yale University 1902 Economics

- Rest Fenner Smith, Jr., B.A. *New York City* 47 Lake pl.  
Yale University 1894 History
- Robert John Smith, B.A. *Des Moines, Iowa* 122 Derby av.  
Drake University 1896, M.A. 1898, Sociology, Economics  
B.D. Yale University 1902
- Sarah Elizabeth Marquand Smoot, B.A. *New Bedford, Mass.*  
University of California 1899 1233 Chapel st.  
English
- John Lewis Sparklin, B.A. *Stepney Depot, Conn.* Stepney Depot  
Wesleyan University 1897 Pedagogy
- Oscar Emil Staaf, B.A. *Lindsborg, Kans.* 88 Prospect st.  
Bethany College 1900, Latin  
M.A. Yale University 1902
- Frederick Clark Stanley, B.A. *Bridgeport, Conn.* Bridgeport  
Williams College 1893 Mineralogy
- Joannes Gabriel Statiropoulos, B.A. *Talao Caesaria, Asia Minor*  
Anatolia College 1899 153 Franklin st.  
Chemistry
- Harry Merriman Steele, PH.B. *New Haven, Conn.* 226 Church st.  
Yale University 1894, Physiology and Physiol. Chemistry  
M.D. Johns Hopkins University 1902
- Douglas Bovard Sterrett, B.S. *Washington, D. C.* 39 Lynwood pl.  
Columbian University 1902 Geology, Mineralogy
- William Oliver Stevens, B.A. *Moulmein, Burma* 139 Dwight st.  
Colby College 1899 English
- Jay Thomas Stocking, B.A. *Canton, N. Y.* Berlin, Germany  
Amherst College 1895, Biblical Literature  
B.D. Yale University 1901
- Paul Moore Strayer *S. Norwalk, Conn.* S. Norwalk  
Baltimore City College 1892 Biblical Literature and Semitic Languages
- Karl Eben Stromquist, B.S. *McPherson, Kans.* 59 Prospect st.  
Bethany College 1899 Mathematics
- George Sverdrup, B.A. *Minneapolis, Minn.* 222 Crown st.  
Augsburg Seminary 1898, Semitic Languages  
M.A. Yale University 1902
- Robert Eccles Swain, B.A. *Palo Alto, Cal.* A.  
Leland Stanford Jr. University 1899, Physiology and Physiol. Chemistry  
M.S. Yale University 1901
- Charles Rufus Swift, Jr., B.A. *West Hartford, Conn.* 717 W. D.  
Yale University 1899 Latin
- Yoshio Takarayama *Kyoto, Japan* 103 Park st.  
Imperial University of Japan 1896 Philosophy

Mignonnette Talbot, B.A. Ohio State University 1892	Columbus, O. Paleontology	
Morris Gardner Talcott, B.A. Yale University 1902	Talcottville, Conn. Mineralogy	264 L.
Leonard Merrill Tarr, B.A. Bates College 1882, M.A. Yale University 1901	New Haven, Conn. 156 Whalley av. Physics	
Edwy Lycurgus Taylor, Jr., PH.B. Yale University 1901	Albany, N. Y. Civil Engineering	264 L.
Wyatt Warner Taylor, PH.B. Yale University 1900	Stamford, Conn. Mechanical Engineering	A.
John Martin Telleen, B.A. Augustana College 1898, M.A. Yale University 1902	Rock Island, Ill. 31 1/2 Broadway English	
George Bremner Tennant, B.A. Yale University 1900	Waterbury, Conn. English	A.
Ada Thurman Terrill, B.A. North Texas Normal College 1901	Decherd, Tenn. 70 Howe st. Chemistry	
Lucy Elizabeth Textor, PH.B. University of Michigan 1894, M.A. Leland Stanford Jr. Univ. 1895	Chicago, Ill. 144 Greene st. History	
Henry Clarke Thacher, B.A. Yale University 1902	Baltimore, Md. 652 E. D. Physiology and Physiological Chemistry	
Charles Seymour Thompson, B.A. Yale University 1902	New Haven, Conn. 89 S. M. History	
Elbert Nevius Sèbring Thompson, B.A. Yale University 1900	New Haven, Conn. 95 Whalley av. English	
Norman Campbell Thorne, B.A. Yale University 1902	Central Valley, N. Y. 131 Dwight st. Chemistry	
Edward Thorstenberg, B.A. Bethany College 1899, M.A. Yale University 1902	Assaria, Kans. 47 N. S. H. German	
John Quillin Tilson, B.A. Yale University 1891, LL.B. 1893, M.L. 1894	Clear Branch, Tenn. 463 FW. Economics	
John Arend Timm, B.D. Yale University 1902	New Haven, Conn. 106 York sq. Biblical Literature and Semitic Languages	
George Tolover Tolson, B.A. Pacific College 1899, B.D. Pacific Theol. Sem. 1902	Berkeley, Cal. 632 E. D. Biblical Literature	

John Franklin Trumbull, PH.B. Yale University 1902	New London, Conn. 132 Wall st.
Edson Newton Tuckey, B.A. Hamlin College 1893	St. Paul, Minn. 23 Lynwood pl. Economics
Edgar Collins Tullar, B.A. Albion College 1897	Seymour, Conn. Seymour Biblical Literature
Edwin Hotchkiss Tuttle, B.A. Yale University 1901	New Haven, Conn. 217 Mansfield st. Romance Languages
Frank Pell Underhill, PH.B. Yale University 1900	Norwalk, Conn. 2 Hillhouse av. Physiology and Physiol. Chemistry
Albert William VanBuren, B.A. Yale University 1900	New Haven, Conn. Rome, Italy Classics
John Abert VanGroos, B.S. Oregon Agricultural College 1899	Cornwallis, Oregon 133 Main st. Mathematics
John Armstrong Wade, B.A. Yale University 1899, B.D. 1901	Brooklyn, N. Y. 687 W. D. Biblical Literature
Charles Philip Wagner, B.A. Yale University 1899, PH.D. 1902	Putnam, Conn. 201 Bishop st. Romance Languages
Harrison Grow Wagner, PH.B. Yale University 1895, LL.B. 1898	New Haven, Conn. 40 Pearl st. Mineralogy
William Knickerbocker Wallbridge, PH.B. <i>Litchfield, Conn.</i> Yale University 1902	137 College st. Chemistry
Curtis Howe Walker, B.A. Yale University 1899	New Haven, Conn. 562 P. History
Minot Lester Wallace, B.A. Yale University 1897	Englewood, N. J. A. History, Latin
Arthur Gustavus Ward, B.A. Yale University 1900	Evans Mills, N. Y. 571 P. German
Brownlee Robertson Ward, B.A. Yale University 1888, PH.B. 1889, M.S. Columbia University 1892	New Haven, Conn. 231 York st. French History
Charles McLean Warren, B.A. Yale University 1898	Collinsville, Conn. 639 E. D. Biblical Literature
Albert Micajah Webb, B.A. Yale University 1901	Bell Buckle, Tenn. 122 Howe st. Romance Languages
Richard Webb, B.A. Trinity College (N. C.) 1900	Durham, N. C. 1157 Chapel st. English
Luther Allen Weigle, B.A. Pennsylvania College 1900	Mechanicsburg, Pa. 62 Lake pl. Philosophy

George Arnold Welch, B.A. Yale University 1901	Cleveland, O.	A. English
Charles Heald Weller, B.A. Yale University 1895	New Haven, Conn. 382 Crown st.	Greek
Wilhelmus David Allen Westfall, B.A. Yale University 1901	Montague, N. J. 43 Hotchkiss st.	Mathematics
Sidney Adams Weston, B.A. Yale University 1900, M.A. 1901	Sharon, Mass.	690 W. D. Biblical Literature and Semitic Languages
Monroe Nichols Wetmore, B.A. Yale University 1888, M.A. 1900	Lebanon, Conn.	361 Elm st. Latin
Charles Augustus Wheeler, B.A. Yale University 1895	Spring Hill, Conn. 345 Winthrop av.	Mathematics
George Benjamin White, PH.B. Yale University 1900	Cooperstown, N. Y.	721 W. D. Physiology and Physiol. Chemistry
Ogden Watson White, B.A. Yale University 1901	Waterbury, Conn.	A. English
Paul Whitin, B.A. Yale University 1898	Northbridge, Mass.	A. English
George Reber Wieland, B.S. Pennsylvania State College 1893. PH.D. Yale University 1900	Chester, Pa.	Museum Natural Science
Arthur Baldwin Williams, Jr., B.A. Yale University 1898	New York City	A. Philosophy
Arthur Collins Williams, B.A. Yale University 1898	Hartford, Conn.	A. Biblical Literature
Richard Solomon Williams, B.S. Amherst College 1902	Glastonbury, Conn.	646 E.D. Chemistry
Robert Bruce Wilson, B.A. Yale University 1901	Portland, Oregon 182 Mansfield st.	Mineralogy and Botany
Andrew Lincoln Winton, PH.B. Yale University 1884	New Haven, Conn. 136 Canner st.	Botany and Chemistry
De Winter, B.L. University of California 1892, M.A. Harvard University 1894	Berkeley, Cal.	59 Wall st. English
John William Withers, B.A. National Normal University 1891, PH.D. 1897 M.A. Yale University 1902	Lebanon, O.	486 Elm st. Philosophy
Benjamin Mead Wright, B.D. Yale University 1897	Orange, Conn.	Orange English
Henry Burt Wright, B.A. Yale University 1898	New Haven, Conn.	128 York st. Classics

Arthur Frederic Yaggy, B.A.  
Yale University 1901

*Hutchinson, Kans.*  
English

A

Kaiei Yamasaki  
Keiojijiku University 1901,  
M.A. Yale University 1902

*Tokyo, Japan* 103 Park st.  
Philosophy

Tokumatsu Yonemura  
Kumamoto College 1896

*Kumamoto, Japan* 6 Trumbull st.  
Economics

GRADUATE STUDENTS, 346.



# ACADEMICAL DEPARTMENT

## (YALE COLLEGE)

### SENIOR CLASS

Charles Roberts Aldrich	<i>Evanston, Ill.</i>	331 WH.
Francis Johnnot Oliver Alsop	<i>Middletown, Conn.</i>	57 V.
Luther Anderson, B.A.	<i>Lindsborg, Kans.</i>	210 Prospect st.
Bethany College 1899		
Charles Tubbs Andrews	<i>Penn Yan, N. Y.</i>	445 FW.
Theodore Andrews	<i>Albany, N. Y.</i>	433 FW.
Hugh Archbald	<i>Scranton, Pa.</i>	423 FW.
George Stanleigh Arnold	<i>New Haven, Conn.</i>	333 WH.
William Brown Arvine	<i>New Haven, Conn.</i>	1169 Chapel st.
Morton Atwater	<i>Poughkeepsie, N. Y.</i>	459 FW.
Douglass Henry Atwill	<i>Kansas City, Mo.</i>	344 WH.
Charles Crooke Auchincloss	<i>New York City</i>	432 FW.
Charles Russell Auchincloss	<i>New York City</i>	432 FW.
Thorne Baker	<i>Cincinnati, O.</i>	20 V.
Burton John Baldwin, B.A.	<i>Woodbridge, Conn.</i>	79 Howe st.
Wesleyan University 1902		
Walter Lewis Barber, Jr.	<i>Waterbury, Conn.</i>	440 FW.
Glover Beardsley	<i>Auburn, N. Y.</i>	337 WH.
Arthur Charles Becker	<i>Belleville, Ill.</i>	371 WH.
Joseph Lewi Bendell	<i>Albany, N. Y.</i>	417 B.
Claude Garfield Bennethum	<i>Harrisburg, Pa.</i>	3 V.
Josiah Henry Benton	<i>Branford, Conn.</i>	369 WH.
Martin Henry Bergen	<i>Hartford, Conn.</i>	405 B.
Pemberton Berman	<i>New York City</i>	146 F.
James Milton Betts	<i>Newtown, Conn.</i>	85 S. M.
Alfred Hoyt Bill	<i>Faribault, Minn.</i>	339 WH.
Avard Longley Bishop, B.A.	<i>Lawrencetown, N. S.</i>	78 Lake pl.
Acadia University 1901		
Robert Lounsbury Black	<i>Cincinnati, O.</i>	428 FW.
Arthur George Blaisdell	<i>Goffstown, N. H.</i>	410 B.
William Alexander Blount, Jr.	<i>Pensacola, Fla.</i>	49 V.
Russell Bogue	<i>Brooklyn, N. Y.</i>	441 FW.
Robert Elias Bond	<i>Kohala, H. I.</i>	381 WH.
Edward Charles Bowers	<i>Westfield, Mass.</i>	2 V.
Charles Arnold Brady	<i>Norwich, Conn.</i>	154 F.
Allen Cleveland Bragaw	<i>Hartford, Conn.</i>	336 WH.
Samuel Mason Brereton	<i>E. Northfield, Mass.</i>	142 F.

Ralph Bristol	<i>Ansonia, Conn.</i>	460 FW.
Thomas Marshall Howe Brown	<i>Pittsburg, Pa.</i>	15 V.
Ralph Willis Bumstead	<i>Boston, Mass.</i>	433 FW.
Ralph Howard Burdett	<i>Hartford, Conn.</i>	427 FW.
Robert Grey Bushong	<i>Reading, Pa.</i>	397 B.
Erwin Calmer	<i>Joliet, Ill.</i>	339 WH.
Edward Herbert Cameron, B.A. Acadia University 1900	<i>Yarmouth, N. S.</i>	78 Lake pl.
James Noël Howard Campbell	<i>Hartford, Conn.</i>	396 B.
Loren Russell Carter, Jr.	<i>Waterbury, Conn.</i>	223 D.
George Brewster Chadwick	<i>Brooklyn, N. Y.</i>	29 V.
Eliot Round Clark	<i>Wethersfield, Conn.</i>	143 F.
Harold Terry Clark	<i>New Haven, Conn.</i>	464 FW.
Harry Henderson Clark	<i>Winchester, Tenn.</i>	443 FW.
Robert Keep Clark	<i>Chicago, Ill.</i>	445 FW.
Stephen Carlton Clark	<i>Cooperstown, N. Y.</i>	300 W.
Allen Thomas Clement	<i>New York City</i>	17 V.
Gifford Alexander Cochran	<i>Yonkers, N. Y.</i>	437 FW.
James Ryle Coffey	<i>New Haven, Conn.</i>	73 S. M.
Louis Garfield Coleman	<i>Springfield, Ill.</i>	381 WH.
Arthur Morris Collins	<i>Niagara Falls, N. Y.</i>	378 WH.
Walter Guthrie Collins	<i>Boston, Mass.</i>	443 FW.
George Kimball Conant	<i>St. Louis, Mo.</i>	51 V.
Philip King Condict	<i>Orange, N. J.</i>	435 FW.
Erastus Corning	<i>Albany, N. Y.</i>	47 V.
David Uzal Cory, Jr.	<i>Englewood, N. J.</i>	371 WH.
Donald John Cowling, B.A. Lebanon Valley College 1902	<i>Scottdale, Pa.</i>	281 Crown st.
Hiram Walter Cramer, B.A. Western College 1902	<i>Bagley, Iowa</i>	79 S. M.
James Pigott Cronan	<i>New Haven, Conn.</i>	455 Orange st.
Earle Rosman Crowe	<i>New York City</i>	394 B.
Thomas Henry Curran	<i>New Haven, Conn.</i>	38 Lake pl.
Kenneth William Curtis	<i>Cincinnati, O.</i>	58 V.
Ephraim Clarence Cushman	<i>Ansonia, Conn.</i>	342 WH.
Merit Lancaster Davidson	<i>New York City</i>	4 V.
Charles Orrin Day, Jr.	<i>North Germantown, N. Y.</i>	32 V.
Rodney Dean Day	<i>Catskill, N. Y.</i>	25 V.
Willard Joseph Denno	<i>Castleton, Vt.</i>	465 FW.
Robert Emmet Digney	<i>White Plains, N. Y.</i>	120 High st.
Arthur Douglas Dodge	<i>New York City</i>	429 FW.
Edward Alfred Donohoe	<i>Lynn, Mass.</i>	372 WH.
Walter Landon Douglass	<i>New London, Conn.</i>	389 B.
Truett Polk Draper	<i>Wilmington, Del.</i>	21 V.
John Martin Dreisbach	<i>Wilkes-Barre, Pa.</i>	29 V.

Herbert Lathe Drury	<i>Worcester, Mass.</i>	312 W.
Stanley Clifford Dukeshire, B.A.	<i>Maitland, N. S.</i>	166 York st.
Acadia University 1898		
Donald Austin Dunham	<i>Hartford, Conn.</i>	68 v.
Harry Wilfred DuPuy	<i>Allegheny, Pa.</i>	42 v.
Clive Livingston DuVal	<i>Brooklyn, N. Y.</i>	426 FW.
John Eliason	<i>Chestertown, Md.</i>	387 B.
Bradford Ellsworth	<i>New York City</i>	30 v.
Nickolaus Louis Engelhardt	<i>Naugatuck, Conn.</i>	355 WH.
George Barnett Everts	<i>Salisbury, Conn.</i>	1081 Chapel st.
Robert Hall Ewell	<i>Washington, D. C.</i>	435 FW.
Edward Josiah Failing	<i>Portland, Oregon</i>	369 WH.
John J. Mitchell Fairbank	<i>St. Louis, Mo.</i>	51 v.
Joseph Fairbanks	<i>St. Johnsbury, Vt.</i>	299 W.
Franklin Farrel, Jr.	<i>Ansonia, Conn.</i>	31 v.
William Ferguson	<i>Manchester, Conn.</i>	73 S. M.
Mansfield Ferry	<i>Chicago, Ill.</i>	33 v.
Morton Cross Fitch	<i>New York City</i>	59 v.
Edward Harold Fitzgerald	<i>Hebron, Conn.</i>	224 D.
Minton Fluhrer	<i>New York City</i>	466 FW.
Pierrepoint Beers Foster	<i>New Haven, Conn.</i>	370 WH.
Alan Fox	<i>Detroit, Mich.</i>	464 FW.
John Ross Freeman	<i>Warren, Pa.</i>	68 v.
William Frew	<i>Pittsburg, Pa.</i>	39 v.
Leonard Wells Frisbie	<i>Hartford, Conn.</i>	423 FW.
William Shirley Fulton	<i>Waterbury, Conn.</i>	31 v.
Arnold Samuel Furst	<i>Jersey City, N. J.</i>	452 FW.
Thomas Jefferson Gaines, Jr.	<i>New York City</i>	337 WH.
Julius Gans	<i>Chicago, Ill.</i>	425 FW.
Frank Cameron Gilbert	<i>Brooklyn, N. Y.</i>	378 WH.
George Burton Gilbert	<i>Thomaston, Conn.</i>	224 D.
Edward Lathrop Gillespie	<i>Stamford, Conn.</i>	434 FW.
William White Gleason	<i>New York City</i>	427 FW.
Willis Elbridge Goodhue	<i>Silver Creek, N. Y.</i>	685 W. D.
Francis Spencer Goodwin	<i>Hartford, Conn.</i>	9 v.
George Augustus Goss	<i>Waterbury, Conn.</i>	30 v.
Robert Andrew Granniss, Jr.	<i>Morris Plains, N. J.</i>	36 v.
Charles Douglass Green	<i>New York City</i>	50 v.
Herbert Gouverneur Greene	<i>Brooklyn, N. Y.</i>	424 FW.
Henry Farrand Griffin	<i>Buffalo, N. Y.</i>	45 v.
John George Haas, Jr.	<i>Lancaster, Pa.</i>	64 v.
John Francis Hackett	<i>Meriden, Conn.</i>	Meriden
Chauncey Jerome Hamlin	<i>Buffalo, N. Y.</i>	39 v.
Francis Joseph Handel	<i>Buffalo, N. Y.</i>	434 FW.

William Loomis Harmount	<i>Pine Orchard, Conn.</i>	Pine Orchard
Alfred Lucius Hart	<i>Waterbury, Conn.</i>	440 FW.
Harry Friedgen Hartjen	<i>New York City</i>	388 B.
Julian Hartridge	<i>Jacksonville, Fla.</i>	45 V.
Rowland Hazard	<i>Peace Dale, R. I.</i>	331 WH.
Samuel Frank Hedges	<i>Greenport, N. Y.</i>	395 B.
Ell Ray Henry, B.A.	<i>Cameron, La.</i>	391 B.
Washburn College 1902		
Jerome Sayles Hess	<i>New York City</i>	24 V.
Brower Hewitt	<i>Brooklyn, N. Y.</i>	54 V.
Albert Hileman	<i>Frankstown, Pa.</i>	74 S. M.
Charles Hitchcock, Jr.	<i>New York City</i>	332 WH.
Harry Oliver Hofstad, B.A.	<i>Easton, Conn.</i>	689 W. D.
Taylor University 1900		
Charles Sumner Holbrook	<i>Jersey City, N. J.</i>	430 FW.
Henry Chandler Holt	<i>Brooklyn, N. Y.</i>	461 FW.
Thomas Hooker, Jr.	<i>New Haven, Conn.</i>	321 W.
Sidney Upson Hooper	<i>Brooklyn, N. Y.</i>	424 FW.
Lawrence Augustus Howard	<i>Hartford, Conn.</i>	138 F.
Norman Churchill Hull	<i>Pittsfield, Mass.</i>	204 D.
Roy Arthur Hunt	<i>Pittsburg, Pa.</i>	423 FW.
George Sinclair Hurst	<i>New York City</i>	435 FW.
Roswell Bishop Hyatt	<i>Meriden, Conn.</i>	251 L.
William Lorne Irvine	<i>Poplar Point, Manitoba</i>	342 WH.
Henry James	<i>Baltimore, Md.</i>	37 V.
Donald Kent Johnston	<i>New York City</i>	459 FW.
Franklin Allen Johnston	<i>New York City</i>	283 Crown st.
William Poyntell Johnston	<i>Wilmington, Del.</i>	456 FW.
Nicholas Ridgely Jones	<i>Springfield, Ill.</i>	61 V.
Robert Porter Keep, Jr.	<i>Norwich, Conn.</i>	139 F.
Herbert Cassius Kelly	<i>New Haven, Conn.</i>	209 Norton st.
Daniel Edwards Kennedy	<i>New York City</i>	308 W.
Francis Stanley Kent	<i>Providence, R. I.</i>	470 FW.
James Barry Kilburn	<i>Malone, N. Y.</i>	436 FW.
Eugene Allerton Kingman	<i>Providence, R. I.</i>	470 FW.
Joseph Newcomb Kinney, Jr.	<i>Cincinnati, O.</i>	20 V.
Lucian Swift Kirtland	<i>Poland, O.</i>	17 V.
Albert Richard Lamb	<i>Waterbury, Conn.</i>	460 FW.
Theodore Twyford Lane	<i>Flushing, N. Y.</i>	45 V.
William Clark Langley	<i>Brooklyn, N. Y.</i>	4 V.
Charles Myron Latimer	<i>Newington, Conn.</i>	143 F.
George Sidney Leach	<i>Gloversville, N. Y.</i>	375 WH.
George Everson Leonard	<i>Syracuse, N. Y.</i>	461 FW.
Dudley Payne Lewis	<i>Springfield, Mass.</i>	28 V.

Charles Hammond L'Hommedieu	<i>Detroit, Mich.</i>	350 WH.
Paul Lindenberg	<i>Columbus, O.</i>	58 v.
Charles William Littlefield	<i>Rockland, Me.</i>	456 FW.
Franklin Lockwood	<i>Brooklyn, N. Y.</i>	292 W.
Arthur Channing Long	<i>Sharon, Mass.</i>	355 WH.
Willard Armstrong Lyon	<i>Middletown, N. Y.</i>	367 WH.
Randolph Lyons	<i>New Orleans, La.</i>	321 W.
Harvey Childs McClintock	<i>Pittsburg, Pa.</i>	29 v.
Robert Rutherford McCormick	<i>Chicago, Ill.</i>	36 v.
Irving McDonald	<i>St. Joseph, Mo.</i>	334 WH.
James Patrick McDonough	<i>New Haven, Conn.</i>	38 Hallock st.
Andrew Duncan McIntosh, B.A.	<i>New Haven, Conn.</i>	1157 Chapel st.
Highland University 1899		
David Ritchie McKee, Jr.	<i>Washington, D. C.</i>	62 v.
Donald McKesson	<i>New York City</i>	373 WH.
Robert Lewis McKnight	<i>Springfield, Mass.</i>	30 v.
Donald Bradford MacLane	<i>New Haven, Conn.</i>	139 F.
Henry Coit MacLean	<i>Litchfield, Conn.</i>	19 v.
Arthur Manierre	<i>Chicago, Ill.</i>	6 v.
Paul Ford Mann	<i>Buffalo, N. Y.</i>	13 v.
John Marshall, B.A.	<i>New Cumberland, W. Va.</i>	385 B.
Bethany College 1902		
Ralph Hill Melcer	<i>Sonora, Mexico</i>	28 v.
William George Metzger	<i>Chicago, Ill.</i>	48 v.
Henry Edmund Mills	<i>Columbus, O.</i>	430 FW.
James Bradford Minor	<i>Covington, Ky.</i>	54 v.
Douglas Maxwell Moffat	<i>Scranton, Pa.</i>	333 WH.
Walter Chafey Moodie	<i>W. Tisbury, Mass.</i>	82 s. M.
Charles Arthur Moore, Jr.	<i>Brooklyn, N. Y.</i>	9 v.
Frank Wood Moore	<i>Elizabeth, N. J.</i>	43 v.
Daniel Harris Morgan	<i>Springfield, Mass.</i>	52 v.
John Barrow Motter	<i>St. Joseph, Mo.</i>	344 WH.
John Richard Moulton	<i>Salem, Mass.</i>	61 v.
Arthur Daniel Mullen	<i>New Haven, Conn.</i>	433 Howard av.
Ralph Howard Nesmith	<i>Brooklyn, N. Y.</i>	458 FW.
Almer Mayo Newhall	<i>San Francisco, Cal.</i>	3 v.
James Knight Nichols	<i>Binghamton, N. Y.</i>	372 WH.
William Penn Nixon, Jr.	<i>Chicago, Ill.</i>	61 v.
Alfred Trecartin Ogden	<i>Brooklyn, N. Y.</i>	370 WH.
Augustus Kountze Oliver	<i>Pittsburg, Pa.</i>	21 v.
Daniel Lawrence Joseph O'Neill	<i>East Hartford, Conn.</i>	96 s. M.
William Robert Orthwein	<i>St. Louis, Mo.</i>	44 v.
Erling Cornelius Ostby	<i>Providence, R. I.</i>	46 v.
Charles Seymour Parsons	<i>Akron, O.</i>	24 v.

William Lealie Patterson, B.A. Acadia University 1902	<i>Amherst, N. S.</i>	42 Lake pl.
Oscar Columbus Payne, B.A. Baylor University 1902	<i>Waco, Tex.</i>	381 Crown st.
Wheeler Hazard Peckham, 2d	<i>New York City</i>	50 v.
Byron Ainsworth Pierce	<i>Olean, N. Y.</i>	46 v.
Howard Albert Plummer	<i>New York City</i>	426 FW.
Horace Burton Pomeroy	<i>Troy, Pa.</i>	462 FW.
George French Porter	<i>Chicago, Ill.</i>	33 v.
Henry Potter	<i>St. Louis, Mo.</i>	57 v.
Charles Franklin Pratt	<i>Hartford, Conn.</i>	138 F.
James Osborne Putnam, 2d	<i>New York City</i>	15 v.
John Ferson Putnam	<i>Columbus, O.</i>	1 v.
Hugh Rankin	<i>Peeckskill, N. Y.</i>	428 FW.
John Dougan Rea, B.A. Earlham College 1902	<i>Richmond, Ind.</i>	44 Clark st.
John Joseph Reilly	<i>Fairport, N. Y.</i>	215 D.
James William Reynolds	<i>St. Louis, Mo.</i>	43 v.
Samuel Wheaton Rhoads	<i>Wilkes-Barré, Pa.</i>	334 WH.
Joseph Foster Rhodes	<i>Chicago, Ill.</i>	64 v.
George Huntington Richards	<i>Plainfield, N. J.</i>	436 FW.
Roland George Dwight Richardson, B.A. Acadia University 1898	<i>Lawrencetown, N. S.</i>	166 York st.
Harry Albert Rightmire	<i>Fairport, N. Y.</i>	215 D.
George Roberts, Jr.	<i>Hartford, Conn.</i>	446 FW.
John Randolph Robinson	<i>Baltimore, Md.</i>	62 v.
Cleveland Rogers	<i>Wakefield, R. I.</i>	350 WH.
Lebbeus Harding Rogers, Jr.	<i>New York City</i>	A.
Joseph Clinton Roraback	<i>Canaan, Conn.</i>	465 FW.
Arthur Jesse Rosenthal	<i>New York City</i>	319 W.
Carleton Ferriss Rowell	<i>St. Louis, Mo.</i>	367 WH.
Henry Sanford	<i>Bridgewater, Conn.</i>	342 WH.
Ziegler Sargent	<i>New Haven, Conn.</i>	446 FW.
Harold Merriam Sawyer	<i>Bridgeport, Conn.</i>	85 S. M.
Lewis Albert Sayre	<i>New York City</i>	49 v.
Reeve Schley	<i>New York City</i>	65 v.
William Sperry Searles	<i>Cleveland, O.</i>	467 FW.
Harold Frank Sheets	<i>Chicago, Ill.</i>	202 D.
Joseph Martin Skrabble, B.A. Western College 1902	<i>Elberon, Iowa</i>	79 S. M.
Brockholst Mathewson Smith	<i>Providence, R. I.</i>	437 FW.
George Arthur Smith	<i>Hartford, Conn.</i>	96 S. M.
Robert Seneca Smith	<i>Clarendon, Vt.</i>	465 FW.
William Burr Wright Smith	<i>Bridgeport, Conn.</i>	372 WH.

Levings Hooker Somers	<i>Auburn, N. Y.</i>	355 WH.
Frederic Randolph Stauffer	<i>Reading, Pa.</i>	17 v.
Warren Merrill Steele, B.A.	<i>Amherst, N. S.</i>	83 s. m.
Acadia University 1902		
Harry Root Stern	<i>New York City</i>	22 v.
John Henry Stevens	<i>Exeter, N. H.</i>	453 FW.
John McAllister Stevenson, Jr.	<i>Pittsfield, Mass.</i>	425 FW.
Ralph Griffiths Stillman	<i>Rahway, N. J.</i>	5 v.
Charles Henry Stoll, Jr.	<i>New York City</i>	1 v.
Theron Roundell Strong	<i>New York City</i>	7 v.
William Roy Stuart	<i>Cleveland, O.</i>	202 D.
Thomas Sturgis, Jr.	<i>New York City</i>	7 v.
Jeremiah Barrett Sullivan	<i>New Haven, Conn.</i>	245 Washington av.
Walter Sullivan	<i>San Antonio, Tex.</i>	56 v.
Stuart Bruen Sutphin	<i>Cincinnati, O.</i>	54 v.
Paul Bailey Sweet, B.A.	<i>Topeka, Kans.</i>	391 B.
Washburn College 1902		
George Edmund Sykes	<i>Rockville, Conn.</i>	334 WH.
Harlan Couch Taylor	<i>Middletown, Conn.</i>	389 B.
William Hendrickson Taylor	<i>Burlington, N. J.</i>	23 v.
William Kenney Terriber	<i>Somerville, N. J.</i>	5 v.
Menter Bradley Terrill	<i>Decherd, Tenn.</i>	70 Howe st.
Ralph Huntington Thacher	<i>Albany, N. Y.</i>	13 v.
Joseph Brown Thomas, Jr.	<i>New York City</i>	429 FW.
Donald Thompson	<i>Pittsburg, Pa.</i>	57 v.
Edwin Vivian Thompson	<i>Louisville, Ky.</i>	16 v.
George Jameson Thomson	<i>Wilton, Conn.</i>	466 FW.
Herman Justus Thorstenberg, B.A.	<i>Assaria, Kans.</i>	53 Prospect st.
Bethany College 1902		
George Rexford Tillson	<i>Montclair, N. J.</i>	450 FW.
Edward Perry Townsend	<i>New York City</i>	37 v.
Arsene LeSeigneur Trenholm	<i>New York City</i>	68 v.
Edward Perry Truett	<i>Denver, Colo.</i>	441 FW.
Abraham Tulin	<i>Hartford, Conn.</i>	403 B.
William Butler Tyler	<i>New Haven, Conn.</i>	49 v.
David Benjamin Updegraff	<i>Mt. Pleasant, O.</i>	467 FW.
Fred Brown Utley	<i>Gloversville, N. Y.</i>	375 WH.
Samuel Oakley VanderPoel, Jr.	<i>New York City</i>	65 v.
Harry Brown VanDeventer	<i>Elizabeth, N. J.</i>	32 v.
Douglass VanDyke	<i>Milwaukee, Wisc.</i>	455 FW.
Ernest Shelton VanTassel	<i>Morristown, N. J.</i>	450 FW.
Axel Ebenezer Vestling, B.A.	<i>Ludington, Mich.</i>	128 Wall st.
Bethany College 1900		
Carroll Johnson Waddell	<i>Ottawa, Kans.</i>	51 v.
James Reynolds Wait	<i>Auburn, N. Y.</i>	16 v.

Ralph Benford Wakefield	<i>Greenville, Pa.</i>	393 B.
William Durrie Waldron	<i>Upper Montclair, N. J.</i>	336 WH.
Raymond William Walker	<i>Westboro, Mass.</i>	443 FW.
Walter Bertrand Walker	<i>New York City</i>	458 FW.
Henry Mitchell Wallace	<i>Ansonia, Conn.</i>	457 FW.
Walter Franklin Wallace	<i>Chicago, Ill.</i>	6 v.
Arthur Allen Ward, B.A.	<i>Odon, Ind.</i>	83 s. M.
Western College 1901		
Freeman Ward	<i>Yankton, S. Dak.</i>	174 F.
Samuel Dwight Ward	<i>Albany, N. Y.</i>	47 v.
Antonio Johnston Waring	<i>Savannah, Ga.</i>	462 FW.
Arthur Woodward Warner	<i>Torrington, Conn.</i>	223 D.
Irving Henry Warner	<i>Fairport, N. Y.</i>	215 D.
George Augustine Washington, 2d	<i>Wessyngton, Tenn.</i>	20 v.
Bradford Webster	<i>Waterbury, Conn.</i>	87 s. M.
Edward Franklin Webster	<i>Rutland, Vt.</i>	87 s. M.
George Unangst Wenner	<i>Ogden, Utah</i>	409 B.
Ethan Pryor Wescott	<i>Haddonfield, N. J.</i>	5 v.
William Burns Weston	<i>Cambridge, Mass.</i>	441 FW.
Edwin Reynolds Whitcomb	<i>Milwaukee, Wisc.</i>	455 FW.
Howard Sage White	<i>Waterbury, Conn.</i>	19 v.
John Richards White	<i>Providence, R. I.</i>	47 v.
William Otis White	<i>Terre Haute, Ind.</i>	42 v.
Theodore Harry Wickwire, Jr.	<i>Cortland, N. Y.</i>	337 WH.
Frederick William Wilhelmi	<i>New York City</i>	457 FW.
Lewis Alfred Williams, Jr.	<i>New York City</i>	424 FW.
Orion James Willis	<i>Manchester, Tenn.</i>	443 FW.
Wilson Gordon Wing	<i>Bangor, Me.</i>	25 v.
George Edward Woodbine	<i>Medfield, Mass.</i>	400 B.
Harris Spring Woodman	<i>New Haven, Conn.</i>	451 George st.
Howard Spencer Woodward, B.A.	<i>Warren, O.</i>	413 B.

Hiram College 1902

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## JUNIOR CLASS

John Day Ackley	<i>New Milford, Conn.</i>	299 York st.
Charles Edward Adams	<i>Toledo, O.</i>	34 v.
George Webster Adams	<i>Utica, N. Y.</i>	316 w.
Arthur Williams Allen	<i>Hartford, Conn.</i>	283 w.
Christopher Magee Anderson	<i>Pittsburg, Pa.</i>	240 D.
George Williams Anderson	<i>Delhi, N. Y.</i>	261 l.
John Phelps Taylor Armstrong	<i>New London, Conn.</i>	1076 Chapel st.
Lemuel Hastings Arnold, Jr.	<i>New York City</i>	163 F.
Louis Horace Arnold	<i>Willimantic, Conn.</i>	277 L.
William Norbourn Arterburn	<i>St. Matthew's, Ky.</i>	354 WH.
Ernest Fairbanks Bacon	<i>Odell, Ill.</i>	174 F.
Seth Weaver Baldwin	<i>Naugatuck, Conn.</i>	176 F.
Harold Johnson Barbour	<i>Hartford, Conn.</i>	345 WH.
Clarence Alfred Barnes	<i>Mansfield, Mass.</i>	166 F.
Timothy Francis Barry	<i>New Haven, Conn.</i>	226 Washington av.
Thomas Hopper Beardsley	<i>Utica, N. Y.</i>	306 w.
Gerald Edwin Beebe	<i>Portland, Oregon</i>	320 w.
Ralph Chapman Benedict	<i>North Abington, Mass.</i>	77 s. M.
Charles Edward Beyer	<i>New Haven, Conn.</i>	New Haven Hospital
Otis Munro Bigelow, Jr.	<i>Baldwinsville, N. Y.</i>	252 L.
Seth Daniels Bingham, Jr.	<i>Naugatuck, Conn.</i>	176 F.
Walter DeWitt Boggs	<i>Brooklyn, N. Y.</i>	287 w.
David Boies	<i>Scranton, Pa.</i>	398 B.
Shelby Williams Bonnie	<i>Louisville, Ky.</i>	35 v.
Malcolm DeWolf Booth	<i>New Haven, Conn.</i>	216 Orchard st.
William Bower Boulton, Jr.	<i>Lawrence, L. I., N. Y.</i>	283 w.
James Cox Brady	<i>Albany, N. Y.</i>	329 w.
William Walter Brainard	<i>New York City</i>	374 WH.
James Henry Brewster, Jr.	<i>Hartford, Conn.</i>	67 v.
Fayette Brown, Jr.	<i>Cleveland, O.</i>	12 v.
Garrett Author Brownback	<i>Linfield, Pa.</i>	277 L.
Charles Howe Buck	<i>Wethersfield, Conn.</i>	382 WH.
Donald Charles Bunn	<i>St. Paul, Minn.</i>	401 B.
Harry Frost Burgess	<i>New Haven, Conn.</i>	295 w.
John Frederic Byers	<i>Allegheny, Pa.</i>	55 v.
Frank Callahan	<i>Hartford, Conn.</i>	148 F.
Roland Heaton Camp	<i>Waterbury, Conn.</i>	26 v.
Nelson Stuart Campbell	<i>Providence, R. I.</i>	356 WH.
William Mall Case	<i>Highland, Kans.</i>	1157 Chapel st.

Edward Gould Chace	<i>Providence, R. I.</i>	245 L.
George Irvin Chadwick	<i>Port Jervis, N. Y.</i>	82 S. M.
Robert Elmer Chandler	<i>Madura, So. India</i>	376 WH.
Carl Mattison Chapin	<i>Waterbury, Conn.</i>	286 W.
Frank Burnham Chapman	<i>Auburn, N. Y.</i>	27 V.
Russell Cheney	<i>South Manchester, Conn.</i>	309 W.
Richard Spencer Childs	<i>Brooklyn, N. Y.</i>	668 W. D.
Gerald Chittenden	<i>New York City</i>	309 W.
George Palmer Christian	<i>Richmond, Va.</i>	314 W.
Howard Wadsworth Church	<i>Meriden, Conn.</i>	328 W.
Edwin Clapp	<i>St. Paul, Minn.</i>	346 WH.
Irving Marshall Clark	<i>Grand Rapids, Mich.</i>	318 W.
Kilburn Dickinson Clark	<i>Castleton, Vt.</i>	128 Wall st.
William Darrow Clark	<i>East Orange, N. J.</i>	74 S. M.
Arthur Morton Clifford	<i>St. Louis, Mo.</i>	155 F.
James Hanson Coburn	<i>Hartford, Conn.</i>	217 D.
Francis Watkinson Cole	<i>Hartford, Conn.</i>	235 D.
Frederick Campbell Colston	<i>Baltimore, Md.</i>	1076 Chapel st.
Belton Allyn Copp, Jr.	<i>Groton, Conn.</i>	345 WH.
Henry Carlton Courten	<i>Palmyra, N. Y.</i>	685 W. D.
Winthrop Murray Crane, Jr.	<i>Dalton, Mass.</i>	69 V.
Walter Snell Cross	<i>Fitchburg, Mass.</i>	12 V.
Joseph Frederick Cullman, Jr.	<i>New York City</i>	306 W.
Colman Curtiss	<i>Buffalo, N. Y.</i>	34 V.
John Thomson Dallas	<i>Waterbury, Conn.</i>	18 V.
Maurice Sherman Damon	<i>Honolulu, H. I.</i>	10 V.
Henry Corwith Dangler	<i>Cleveland, O.</i>	12 V.
Thomas Latham Davis	<i>Omaha, Nebr.</i>	240 D.
Edward LeRoy Dennis	<i>Norwich, Conn.</i>	298 W.
Louis Carson Dillman	<i>Chicago, Ill.</i>	318 W.
Frank Talmage Dodge	<i>New York City</i>	398 B.
Everett Dominick	<i>New York City</i>	320 W.
Michael Joseph Donahue	<i>Norwich, Conn.</i>	365 WH.
Howard Drummond	<i>New York City</i>	439 FW.
Willard Higley Durham	<i>Holland Patent, N. Y.</i>	259 L.
Herbert William Eales	<i>Bridgeport, Conn.</i>	72 S. M.
Robert Duncan Eggleston	<i>Meriden, Conn.</i>	1076 Chapel st.
William Brewster Ely	<i>New Haven, Conn.</i>	66 V.
Henry Perkins Erwin	<i>Johnson City, Tenn.</i>	408 B.
Charles Alexander Esty	<i>Framingham, Mass.</i>	346 WH.
John Kuhn Evans	<i>McKeesport, Pa.</i>	13 V.
Stevenson Hume Evans	<i>Buffalo, N. Y.</i>	421 B.
Joseph Alexander Falvey	<i>Meriden, Conn.</i>	140 F.
Dwight Thompson Farnham	<i>Binghamton, N. Y.</i>	236 D.

Peter Elting Farnum, Jr.	Port Jervis, N. Y.	59 v.
Mark Graff Feder	Mt. Auburn, Cincinnati, O.	406 B.
Gladstone Fessenden	Stamford, Conn.	305 W.
Augustus Richey Fisk	Plainfield, N. J.	442 FW.
Carl Stanley Flanders	Malden, Mass.	311 W.
Henry Lyman Foote	New Haven, Conn.	19 Howe st.
Horatio Ford	Cleveland, O.	343 WH.
Denman Fleming Fox	New Haven, Conn.	131 Bradley st.
Howard Atwood Franklin	Shelton, Conn.	East Haven
Thomas Robert Gaines	Rushville, Va.	341 WH.
Joseph William Gallagher	Northboro, Mass.	341 WH.
Harold Irving Gardner	Hartford, Conn.	142 F.
Henry Wood Gardner	Providence, R. I.	14 v.
George Merrill Gelser	Webster, N. Y.	377 WH.
Franklin Williams Glazier	So. Glastonbury, Conn.	35 v.
Harry Glicksman	Milwaukee, Wisc.	254 L.
Morgan Goetchius	New York City	317 W.
Philip Goodell	Montclair, N. J.	448 FW.
Chauncey Shafter Goodrich	Santa Clara, Cal.	289 W.
Alexander Gordon	Pittsburg, Pa.	390 B.
Albert Woodruff Gray	Middletown Springs, Vt.	259 L.
Douglas Bannan Green	Pottsville, Pa.	324 W.
Henry Little Griggs	Middlebury, Conn.	330 W.
William Claiborne Hall	New York City	398 B.
Harry Thomas Hamilton	Groton, Conn.	11 v.
Alfred Irving Harrington	Mansfield, O.	270 L.
William Dickinson Hart	Stamford, Conn.	246 L.
Everett Smith Hartwell	Albany, N. Y.	390 B.
Arthur Havemeyer	New York City	69 v.
Samuel Burdett Hemingway	New Haven, Conn.	294 W.
Raymond Thompson Hill	North Branford, Conn.	140 F.
Edward Thurston Hiscox, 2d	Malden, Mass.	368 WH.
Joseph Horne Holmes	Pittsburg, Pa.	11 v.
James Herron Hopkins, Jr.	Washington, D. C.	340 WH.
John Ralph Howe	Norwich, Conn.	330 W.
Francis Edwin Howland	Asheville, N. C.	1076 Chapel st.
Julian Burrell Huff	Greensburg, Pa.	316 W.
Henry Strong Huntington, Jr.	Milton, Mass.	376 WH.
Rodney Sheldon Jarvis	Brooklyn, N. Y.	347 WH.
Thomas Lewis Jefferson, Jr.	Louisville, Ky.	69 v.
Newell Jennings	Bristol, Conn.	376 WH.
Percy Hall Jennings	New York City	335 WH.
Charles Sumner Joy	Springfield, Mass.	349 WH.
Asa Rathbone Kelley	Chicago, Ill.	444 FW.

Chauncey Clark Kennedy	<i>Orange, N. J.</i>	345 WH.
Allen Humphreys Kerr	<i>Pittsburg, Pa.</i>	240 D.
Walter Irving King	<i>Thompsonville, Conn.</i>	295 W.
William Barri Kirkham	<i>Springfield, Mass.</i>	349 WH.
Thomas Henry Kirkiand	<i>Indian Orchard, Mass.</i>	419 B.
John Caspar Kittle	<i>Ross, Cal.</i>	356 WH.
James Whitney Knox	<i>Hartford, Conn.</i>	217 D.
Arthur Burton LaCour	<i>New Orleans, La.</i>	240 D.
George Thompson Lane	<i>Troy, N. Y.</i>	34 V.
Emerson Latting	<i>New York City</i>	438 FW.
Charles William Lawrance	<i>Kansas City, Mo.</i>	447 FW.
Bayard Urquhart Livingston, Jr.	<i>Albany, N. Y.</i>	235 D.
Robson Longwell	<i>Dundee, N. Y.</i>	174 F.
Howell Gurney Lord	<i>Newark, N. J.</i>	289 W.
Henry King Love	<i>Bristol, Pa.</i>	343 WH.
Allen Perry Lovejoy, Jr.	<i>Janesville, Wisc.</i>	447 FW.
Charles Simonton McCain	<i>Little Rock, Ark.</i>	287 W.
Alexander Mahon McClean	<i>Springfield, Mass.</i>	285 W.
Theodore McCurdy Marsh	<i>East Orange, N. J.</i>	291 W.
Lawrence Mason	<i>Chicago, Ill.</i>	310 W.
Macdonell Mason	<i>New York City</i>	315 W.
Fred Maurice Maxwell	<i>Gloversville, N. Y.</i>	81 S. M.
Harold Marwick Meech	<i>Middletown, Conn.</i>	352 WH.
Clarence Whittlesey Mendell	<i>Boston, Mass.</i>	291 W.
George Macy Merriman	<i>Bristol, Conn.</i>	252 L.
Harold Grant Metcalf	<i>Auburn, N. Y.</i>	27 V.
William Robert Millar	<i>Plainfield, N. J.</i>	293 W.
Herbert Chauncey Miller	<i>Bloomington, N. Y.</i>	374 WH.
James Ely Miller	<i>New York City</i>	324 W.
John Milton Miller	<i>Bridgeport, Conn.</i>	72 S. M.
Stewart Lea Mims	<i>Durham, N. C.</i>	260 L.
William Ledyard Mitchell	<i>Cincinnati, O.</i>	449 FW.
George Albert Mohlman	<i>New York City</i>	449 FW.
Charles Everett Moore	<i>White Plains, N. Y.</i>	407 B.
John Alston Moorhead	<i>Allegheny, Pa.</i>	442 FW.
George Herbert Mulford	<i>Kansas City, Mo.</i>	294 W.
George Sharp Munson	<i>Williamsport, Pa.</i>	325 W.
Hugh Joseph Murphy	<i>New Haven, Conn.</i>	179 Blatchley av.
Robert Hayes Nead	<i>Harrisburg, Pa.</i>	266 L.
Arthur Edwin Neergaard	<i>Concord, N. H.</i>	256 L.
George Elwood Nichols	<i>Saco, Me.</i>	158 F.
Arthur Nilsen	<i>New York City</i>	384 B.
Edwin Canfield Northrop	<i>Waterbury, Conn.</i>	284 W.
George Harrison O'Brien	<i>Plattsburgh, N. Y.</i>	297 W.

Martin Henry O'Brien	<i>Plattsburgh, N. Y.</i>	297 W.
Alexander Holley Olmsted	<i>Lakeville, Conn.</i>	75 S. M.
John Olmsted	<i>Buffalo, N. Y.</i>	285 W.
Claudius Buchanan Conant Ostrom	<i>New York City</i>	368 WH.
Edward Stetson Paine	<i>Bangor, Me.</i>	286 W.
George Elton Parks	<i>Providence, R. I.</i>	55 V.
Edwin Daniel Peck	<i>Gloversville, N. Y.</i>	86 S. M.
William Law Learned Peltz	<i>Albany, N. Y.</i>	256 L.
Herbert Spencer Petry	<i>Mahwah, N. J.</i>	414 B.
William Pickens	<i>Little Rock, Ark.</i>	93 Dixwell av.
Frederick Erastus Pierce	<i>South Britain, Conn.</i>	130 F.
Edgar LeRoy Pond, Jr.	<i>Terryville, Conn.</i>	130 F.
Arthur Kingsley Porter	<i>Stamford, Conn.</i>	255 L.
William George Powning	<i>New Haven, Conn.</i>	236 D.
David Lindsey Randall	<i>Athol Centre, Mass.</i>	81 S. M.
Willard Franklin Fitz Randolph	<i>Rye, N. Y.</i>	103 Park st.
Arthur Bernard Recknagel	<i>Brooklyn, N. Y.</i>	232 D.
Lansing Parmelee Reed	<i>Holyoke, Mass.</i>	335 WH.
Harry Wilson Reynolds	<i>East Haddam, Conn.</i>	352 WH.
Pierce Butler Reynolds	<i>Kingston, Pa.</i>	277 L.
Harry Izard Bacon Rice	<i>Coles' Ferry, Va.</i>	341 WH.
Jerome Markham Rice	<i>Scranton, Pa.</i>	288 W.
John Markham Riley	<i>Muskogee, I. T.</i>	A.
Nelson Studebaker Riley	<i>South Bend, Ind.</i>	10 V.
Heaton Ridgeway Robertson	<i>New Haven, Conn.</i>	145 F.
Julius Rockwell	<i>Pittsfield, Mass.</i>	454 FW.
William Field Rundel	<i>Penfield, N. Y.</i>	270 L.
Norman Nienstedt Rupp	<i>Saginaw, Mich.</i>	322 W.
John Horace Safford	<i>Salem, O.</i>	382 WH.
Arthur Sandiford	<i>Lawrence, Mass.</i>	232 D.
Roger Sands	<i>Pentwater, Mich.</i>	60 V.
James Fred Sawin	<i>Winthrop, Mass.</i>	333 York st.
Robert Percy Schenck	<i>Jersey City, N. J.</i>	304 W.
Herman Henry Schermerhorn	<i>Sandy Creek, N. Y.</i>	103 Park st.
Laurence Selling	<i>Portland, Oregon</i>	406 B.
Paul Shaffrath	<i>Waterbury, Conn.</i>	158 F.
Kenneth Rae Shand	<i>New Brighton, S. I., N. Y.</i>	327 W.
Carleton Shaw	<i>Toledo, O.</i>	75 S. M.
Patrick Joseph Sheehan	<i>Norwich, Conn.</i>	365 WH.
Henry Wood Shelton	<i>Montclair, N. J.</i>	448 FW.
Thomas Mallon Shields	<i>Norwich, Conn.</i>	166 F.
Dudley Frank Sicher	<i>New York City</i>	254 L.

Joseph William Sidenberg	<i>Hastings-on-Hudson, N. Y.</i>	1076 Chapel st.
William Strong Slade	<i>New York City</i>	320 W.
Brainerd Edwards Smith	<i>Salem Depot, N. H.</i>	298 W.
Charles Eastwick Smith, Jr.	<i>St. Paul, Minn.</i>	246 L.
Lathrop Smith	<i>Kansas City, Mo.</i>	294 W.
Wirt Foster Smith	<i>Chicago, Ill.</i>	253 L.
Robert Lincoln Smitley	<i>Allegheny, Pa.</i>	340 WH.
Cornelius Harry Snell	<i>Herkimer, N. Y.</i>	290 W.
Willard Burr Soper	<i>Bloomington, Ill.</i>	310 W.
Walter Bunce Spencer	<i>So. Manchester, Conn.</i>	338 WH.
Robert Allan Squire	<i>Meriden, Conn.</i>	380 WH.
George Emanuel Stansfield	<i>Midland Park, N. J.</i>	293 York st.
Henry Hamlin Stebbins, Jr.	<i>Rochester, N. Y.</i>	335 WH.
Arthur Francis Stoddard Steele	<i>Auburn, N. Y.</i>	416 B.
George Stuart Studwell, Jr.	<i>New York City</i>	63 v.
Edgar Hinton Taylor	<i>Norfolk, Va.</i>	253 L.
Thomas Day Thacher	<i>New York City</i>	8 v.
Chauncey Edwards Treadwell	<i>Flushing, N. Y.</i>	255 L.
Harold Hathaway Trusdell	<i>New Haven, Conn.</i>	297 Crown st.
Carll Tucker	<i>Albany, N. Y.</i>	63 v.
Howard MacGregor Tuttle	<i>Syracuse, N. Y.</i>	290 W.
Leonard Sanford Tyler	<i>New Haven, Conn.</i>	41 v.
William Bryan Wait	<i>Auburn, N. Y.</i>	347 WH.
Francis Eames Walton	<i>Brooklyn, N. Y.</i>	326 W.
Sheldon Eaton Wardwell	<i>Haverhill, Mass.</i>	240 D.
Karl Watson Warmcastle	<i>Pittsburg, Pa.</i>	293 W.
Bronson Mills Warren	<i>Bridgeport, Conn.</i>	305 W.
John Louis Waters	<i>New York City</i>	322 W.
Clayton Wolcott Welles	<i>Wethersfield, Conn.</i>	380 WH.
Paul Bessal Welles	<i>Scranton, Pa.</i>	317 W.
George William Welsh	<i>New York City</i>	326 W.
Earle Rogers Whipple	<i>Whitinsville, Mass.</i>	354 WH.
William Ernest Whiting	<i>New Haven, Conn.</i>	137 F.
Willis Savage Whittlesey	<i>Morris, Conn.</i>	670 W. D.
Frederick Holme Wiggin, Jr.	<i>Litchfield, Conn.</i>	8 v.
Justice Wilson	<i>Toledo, O.</i>	41 v.
William Ladd Winch	<i>Holyoke, Mass.</i>	453 FW.
Burnside Winslow	<i>Philadelphia, Pa.</i>	439 FW.
Garrard Bigelow Winston	<i>Chicago, Ill.</i>	383 B.
Aaron Wittstein	<i>Bridgeport, Conn.</i>	72 S. M.
James Haydon Wömelendorf	<i>Pottsville, Pa.</i>	67 v.
Sumner Byrne Woodbridge	<i>Somerville, Mass.</i>	407 B.
George William Ezra Woodruff	<i>Fort Hamilton, N. Y.</i>	338 WH.

John Eastman Woodruff	<i>Brooklyn, N. Y.</i>	332 WH.
Fred Apgar Wyckoff	<i>East Stroudsburg, Pa.</i>	411 B.
Jesse Watkins Wynne	<i>Memphis, Tenn.</i>	245 L.
Horace Frederick Zollars	<i>Fort Wayne, Ind.</i>	1044 Chapel st.

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## SOPHOMORE CLASS

Albert Ross Abbott	<i>Easthampton, Mass.</i>	93 S. M.
Frederick Leonard Adams	<i>Brooklyn, N. Y.</i>	469 FW.
Thomas Bertram Anderson	<i>Delhi, N. Y.</i>	261 L.
Horace White Armstrong	<i>Chicago, Ill.</i>	155 Elm st.
Herbert Nathaniel Arnstein	<i>St. Louis, Mo.</i>	42 College st.
Albert Aston	<i>Brooklyn, N. Y.</i>	151 F.
Harry Hall Atwater	<i>Auburn, N. Y.</i>	24 Home pl.
Fred Chambers Baldwin	<i>Haihu, Maui, H. I.</i>	444 FW.
Lewis Emanuel Bamberger	<i>New York City</i>	211 D.
Edward Johnson Barber	<i>Manchester, Conn.</i>	231 D.
William Marvin Barlow	<i>Rock Rift, N. Y.</i>	280 L.
Samuel Colcord Bartlett	<i>New London, Conn.</i>	328 W.
Walcott Duryea Bartlett	<i>New York Mills, N. Y.</i>	348 WH.
Raymond Augustus Beardslee	<i>Windsor, Conn.</i>	231 D.
John Eldridge Bentley	<i>McMinnville, Tenn.</i>	260 L.
Charles Hubbell Bidwell	<i>Shelton, Conn.</i>	94 S. M.
Arthur Willis Blackman	<i>New Haven, Conn.</i>	282 L.
James Ralph Bloomer	<i>Cincinnati, O.</i>	22 College st.
Bradford Boardman	<i>New York City</i>	1076 Chapel st.
George Milmine Bodman	<i>New York City</i>	22 College st.
Herbert Luther Bodman	<i>New York City</i>	22 College st.
Arthur Howe Bradford	<i>Montclair, N. J.</i>	274 L.
Carl Brewer	<i>New Haven, Conn.</i>	418 Orange st.
William Thompson Briggs	<i>Nashville, Tenn.</i>	155 Elm st.
James Beardsley Brinsmade	<i>Derby, Conn.</i>	27 High st.
Edward Little Brooks	<i>Wyoming, O.</i>	22 College st.
Frame Clemens Brown	<i>Columbus, O.</i>	260 Crown st.
J. Sidney Brown, Jr.	<i>Denver, Colo.</i>	260 Crown st.
McCleane Brown	<i>Allegheny, Pa.</i>	22 College st.
Harold Bruff	<i>Brooklyn, N. Y.</i>	22 College st.
Francis Buckley	<i>Ansonia, Conn.</i>	Ansonia
Charles Stone Bulkley	<i>Summit, N. J.</i>	18 College st.
Sidney Rogers Burnap, Jr.	<i>Windsor Locks, Conn.</i>	273 L.
Benjamin Foster Burns	<i>Newton Center, Mass.</i>	86 S. M.
Paul Morgan Butterfield	<i>Wilmington, Vt.</i>	159 Elm st.
Carl Herman Carroll	<i>Worcester, Mass.</i>	269 L.
William Julius Champion, Jr.	<i>Grand Rapids, Mich.</i>	147 F.
Charles Jarvis Chapman, Jr.	<i>Portland, Me.</i>	1076 Chapel st.
George Nathaniel Holmes Clement	<i>Brooklyn, N. Y.</i>	260 Crown st.
Edward Welch Clucas	<i>New York City</i>	439 FW.



Roland Baldwin Coe	Newark, N. J.	42 College st.
Albert Merrill Coit	Grand Rapids, Mich.	250 Crown st.
Runyon Colie	East Orange, N. J.	22 College st.
John Morris Comstock	Rome, N. Y.	22 College st.
Walter Bannister Congdon	Duluth, Minn.	22 College st.
George Paul Cooke	Honolulu, H. I.	23 v.
Emile Louis Coté	Baltic, Conn.	365 WH.
Irving Nicholas Countryman	New Haven, Conn.	234 Greenwich av.
Willis Arthur Countryman, Jr.	Hartford, Conn.	209 Whalley av.
Bainbridge Cowell	Cleveland, O.	283 Crown st.
James Timothy Craffey	Westboro, Mass.	414 B.
Urban Cronan	New Haven, Conn.	250 Crown st.
Francis Quinn Cronin	New London, Conn.	1076 Chapel st.
Boyd Graphic Curts	Gloversville, N. Y.	210 D.
Paul Curts	Gloversville, N. Y.	210 D.
Robert Duff Dalzell	Pittsburg, Pa.	22 College st.
David Edward Dangler	Cleveland, O.	22 College st.
William Theodore Darby	Paterson, N. J.	159 F.
Edmund Montgomery Davidson	Huntington, N. Y.	147 F.
Pierpont VanDerveer Davis	Elizabeth, N. J.	22 College st.
Frederick Huntington Day	Indianapolis, Ind.	353 WH.
William Dwight Dean	Evanston, Ill.	27 College st.
John Bellows DeForest	Bridgeport, Conn.	144 F.
James Delano, Jr.	New Bedford, Mass.	1076 Chapel st.
Chester Rhoades De La Vergne	New York City	22 College st.
Jesse Vincent Devine	Waterbury, Conn.	248 L.
Frederick Ferriss Dodd	New Milford, Conn.	128 Wall st.
Henry Groff Dodge	Cleveland, O.	22 College st.
William Leonard Dougherty	Westboro, Mass.	209 D.
George Holmes Edwards	Bridgeport, Conn.	27 College st.
Henry Hodgdon Elliot	Waterbury, Vt.	1081 Chapel st.
John Stoughton Ellsworth	Simsbury, Conn.	468 FW.
Edward Chappell Ely	Norwich, Conn.	66 v.
Charles Milton Epstein	Louisville, Ky.	220 D.
Bowman Esher	Chicago, Ill.	203 D.
Charles Rhein Essick	Reading, Pa.	152 F.
Earl Webster Evans	Montclair, N. J.	368 WH.
Walter Filmer Evans	Gloversville, N. Y.	210 D.
Richard Monroe Fairbanks	Indianapolis, Ind.	22 College st.
Charles Samuel Fallows	Chicago, Ill.	353 WH.
Stuyvesant Fish, Jr.	New York City	22 College st.
Harold Albert Fisher	Chicago, Ill.	1076 Chapel st.
Charles Wilbur Fisk	Plainfield, N. J.	1076 Chapel st.
Austin Woodbridge Follett	Newton, Mass.	60 v.

Joseph Marion Forsyth	<i>Franklin, N. Y.</i>	280 L.
Harry Ellsworth Fowler	<i>Plantsville, Conn.</i>	104 Wall st.
Frank Duff Frazier	<i>Evanston, Ill.</i>	22 College st.
Leonard Martin Frey	<i>Rome, N. Y.</i>	93 S. M.
Stanleigh Pohly Friedman	<i>Albany, N. Y.</i>	27 College st.
Lowell Chester Frost	<i>Buffalo, N. Y.</i>	22 College st.
Henry Alansin Gardner, Jr.	<i>Hinsdale, Ill.</i>	22 College st.
Fred Elijah Gleason	<i>Montpelier, Vt.</i>	227 D.
Jerome Albert Goldman	<i>Cincinnati, O.</i>	134 F.
Howard Lehman Goodhart	<i>New York City</i>	262 L.
James Lippincott Goodwin	<i>New York City</i>	260 Crown st.
Francis Erskine Graff	<i>Pittsburg, Pa.</i>	314 W.
Joseph Lambert Gray	<i>Avondale, Cincinnati, O.</i>	41 V.
Robert Adam Gray	<i>Cincinnati, O.</i>	250 Crown st.
Marcus Brown Hall	<i>Grand Rapids, Mich.</i>	22 College st.
Alfred Ernest Hamill	<i>Chicago, Ill.</i>	22 College st.
Willis Tracy Hanson, Jr.	<i>Schenectady, N. Y.</i>	18 College st.
Morin Scott Hare	<i>New York City</i>	22 College st.
Caryl Smith Harris	<i>Walton, N. Y.</i>	333 York st.
George Mills Harris	<i>Wethersfield, Conn.</i>	120 High st.
Arthur Haserot	<i>Cleveland, O.</i>	1076 Chapel st.
Nelson Smiley Hastings	<i>Bradford, Pa.</i>	225 D.
Henry Ernst Haws	<i>Peekskill, N. Y.</i>	219 D.
Edward Francis Hayes	<i>Cohoes, N. Y.</i>	165 F.
Roy Willet Hemingway	<i>Syracuse, N. Y.</i>	18 College st.
George Stanley Hendel	<i>Reading, Pa.</i>	249 L.
Allen Bronson Henry	<i>North Bennington, Vt.</i>	686 W. D.
Hugh Horatio Henry	<i>Concord, N. H.</i>	157 F.
Louis Hertz	<i>Hazleton, Pa.</i>	415 B.
Arthur White Hildreth	<i>Southampton, N. Y.</i>	258 L.
Theodore Edward Hill	<i>New Haven, Conn.</i>	34 Day st.
Douglas Meade Hoffecker	<i>Wilmington, Del.</i>	129 F.
James Joseph Hogan	<i>Torrington, Conn.</i>	214 D.
Buell Hollister	<i>Islip, L. I., N. Y.</i>	22 College st.
Lloyd Burdwin Holsapple	<i>Hudson, N. Y.</i>	234 D.
Aubrey Milton Holter	<i>Helena, Mont.</i>	22 College st.
George Burton Hotchkiss	<i>Naugatuck, Conn.</i>	402 B.
James Lawrence Houghteling, Jr.	<i>Winnetka, Ill.</i>	238 D.
Morton Albertson Howard	<i>Yonkers, N. Y.</i>	22 College st.
Raymond Reed Howe	<i>Auburn, N. Y.</i>	227 D.
Berrien Hughes	<i>Denver, Colo.</i>	22 College st.
Albert Wallace Hull	<i>Torrington, Conn.</i>	206 D.
Argall LeRoy Hull	<i>New Haven, Conn.</i>	233 D.
Edward Boltwood Hull	<i>Pittsfield, Mass.</i>	204 D.

Ernest Hamilton Hurd	Wilton, Conn.	62 Dwight st.
Harry Harrison Hyatt	Toledo, O.	160 F.
Willard Curtis Hyatt	Meriden, Conn.	251 L.
Thomas Henry Hyde	Westfield, Mass.	175 F.
William Johnson Jack	Indiana, Pa.	1081 Chapel st.
Clement Snow Jacobus	Springfield, Mass.	225 D.
Robert Archibald Jelliffe	Brooklyn, N. Y.	422 B.
Louis White Johnston	Rochester, N. Y.	22 College st.
Samuel Parker Johnston	Chicago, Ill.	263 L.
Oliver Livingston Jones, Jr.	New York City	302 W.
Charles Sheldon Judd	Honolulu, H. I.	23 V.
Ethan Wood Judd	Olean, N. Y.	257 L.
Samuel Elliot Judd	Holyoke, Mass.	227 D.
William Henry Kennedy	Derby, Conn.	Derby
Charles Ferdinand Kerrigan	Brooklyn, N. Y.	151 F.
Gilbert Kinney	New Haven, Conn.	212 D.
Edward Kirkham	Hastings-on-Hudson, N. Y.	468 FW.
Charles Augustus LaMont	Albion, N. Y.	210 D.
Edward Musgrave Lacey	Evanston, Ill.	313 W.
Guy Carleton Lamson	Watertown, Conn.	172 F.
Elbert Squire Latimer	Norwalk, O.	159 Elm st.
Rae Thornton LaVake	New York City	18 College st.
Charles Lanier Lawrance	Bay Shore, L. I., N. Y.	22 College st.
Stewart Alfred LeBlanc	New Orleans, La.	22 College st.
Charles Alonzo Leonard	Pittsfield, Ill.	1076 Chapel st.
Alfred Huntington Lewis	Syracuse, N. Y.	11 V.
Edward Stephen Little	St. Louis, Mo.	22 College st.
William Kellogg Loomis	Troy, N. Y.	219 D.
Franklin Butler Lord, Jr.	New York City	22 College st.
Harry Howard Loudenslager	Paulsboro, N. J.	250 Crown st.
William Douglas Lovelace	Muskegon, Mich.	9 Library st.
Benedict Edward Lyons	Thomaston, Conn.	165 F.
Walter Raymond McCoy	Burlington, N. J.	89 S. M.
Albert Steele McCullough	Watertown, N. Y.	47 Lake pl.
Arthur Packer McKinstry	Worcester, Mass.	269 L.
Edward Sargent Macneale	Cincinnati, O.	155 Elm st.
Allen Schuyler Malcolm	Melbourne, Australia	269 L.
Walter Eugene Marsden	Johnstown, Pa.	381 George st.
Samuel Livingston Mather	Cleveland, O.	22 College st.
Theodore Hale Merriman	Bristol, Conn.	201 D.
Aaron Riley Merritt	East Aurora, N. Y.	168 F.
Roland William Mersereau	Portville, N. Y.	257 L.
Harold Milbank	New York City	212 D.
Eugène Bliss Milburn	Helena, Mont.	22 College st.

Charles Dexter Morris	<i>Olean, N. Y.</i>	224 Oak pl.
Russell Perry Morrison	<i>Brooklyn, N. Y.</i>	360 WH.
Thornton Taft Munger	<i>New Haven, Conn.</i>	469 FW.
Edgar Munson, 2d	<i>Williamsport, Pa.</i>	325 W.
Elmer Belding Myers	<i>Auburn, N. Y.</i>	674 W. D.
Walter Dennis Myers	<i>Marysville, Pa.</i>	164 F.
Chester Trenholm Neal	<i>Newtonville, Mass.</i>	225 D.
Paul Sprague Ney	<i>Hartford, Conn.</i>	310 W.
Charles Washburn Nichols	<i>New Haven, Conn.</i>	31 Livingston st.
Harry Levin Roeschlaub Nickerson	<i>Quincy, Ill.</i>	272 L.
Edward John Noble	<i>Gouverneur, N. Y.</i>	279 L.
Levi Fatzinger Noble	<i>Auburn, N. Y.</i>	260 Crown st.
Albert Chapman Norman	<i>Norwich, Conn.</i>	172 F.
Charles Reinold Noyes	<i>St. Paul, Minn.</i>	22 College st.
Daniel Raymond Noyes	<i>St. Paul, Minn.</i>	22 College st.
Frederick Louis Nuhn	<i>Waterbury, Conn.</i>	248 L.
David Lyman Oleson	<i>Warren, Mass.</i>	177 F.
Howard Palmer	<i>Norwich, Conn.</i>	272 L.
Walter Hobart Palmer	<i>Branford, Conn.</i>	Branford
Abel Bennett Palmerton	<i>Cannonsville, N. Y.</i>	280 L.
George Frederick Parrish	<i>Wilkes-Barre, Pa.</i>	303 W.
John Hinsdale Partridge	<i>Rockville, Conn.</i>	166 York st.
Martin Kellogg Pasco, Jr.	<i>Berea, Ky.</i>	159 F.
James Tyler Patterson, Jr.	<i>Milford, Conn.</i>	414 B.
Edward Samuel Payton	<i>Westfield, Mass.</i>	364 WH.
John Palmer Pears	<i>Pittsburg, Pa.</i>	155 Elm st.
Maurice Henry Pease	<i>New Britain, Conn.</i>	22 College st.
Clifford Harris Peek	<i>East Aurora, N. Y.</i>	168 F.
William Frederick Peter, 2d	<i>Seymour, Ind.</i>	262 L.
Eugene James Phillips	<i>New Haven, Conn.</i>	281 Howard av.
Lawrence Alson Pomeroy	<i>Cleveland, O.</i>	226 D.
Frank Brinley Porter	<i>New York City</i>	1076 Chapel st.
Seton Porter	<i>Lawrence, L. I., N. Y.</i>	22 College st.
Bryant Hawk Prentice	<i>East Aurora, N. Y.</i>	22 College st.
Henry Augustine Raymond	<i>Cleveland, O.</i>	22 College st.
Archie Mudge Reid	<i>Yonkers, N. Y.</i>	22 College st.
Ogden Mills Reid	<i>New York City</i>	323 W.
Gardner Richardson	<i>Athens, Greece</i>	218 D.
Frank Stanley Rickcords	<i>Chicago, Ill.</i>	155 Elm st.
Stephen Garrett Roach	<i>New York City</i>	301 W.
George Roberts	<i>Brooklyn, N. Y.</i>	22 College st.
John Taylor Roberts	<i>Hartford, Conn.</i>	22 College st.
Edmund Pendleton Rogers	<i>Hyde Park, N. Y.</i>	22 College st.
James Grafton Rogers	<i>Denver Colo.</i>	274 L.

Robert George Sanford	<i>Island Pond, Pa.</i>	233 York st.
Lewis Richardson Schenck	<i>Toledo, O.</i>	63 v.
Henry Richard Schenker	<i>Holyoke, Mass..</i>	206 D.
Basil Scott	<i>New Brighton, S. I., N. Y.</i>	383 B.
Earle Buckingham Seeley	<i>Washington, Conn.</i>	206 D.
Joseph Seronde	<i>Norwalk, Conn.</i>	144 F.
Edward Power Sharretts	<i>Baltimore, Md.</i>	260 Crown st.
Merle Lewis Sheffer	<i>Rochester, N. Y.</i>	164 F.
Harold Mercer Shoemaker	<i>Wilkes-Barré, Pa.</i>	22 College st.
Richard Eskine Simpson	<i>Arnot, Pa.</i>	281 L.
Chauncey Milton Sincerbeaux	<i>Moravia, N. Y.</i>	247 L.
John Carroll Slade	<i>Kelloggsville, N. Y.</i>	247 L.
John Sloane, Jr.	<i>New York City</i>	22 College st.
James Cook Smillie	<i>New York City</i>	211 D.
Carl Benton Smith	<i>Buffalo, N. Y.</i>	22 College st.
Stanley MacDonald Smith	<i>Philadelphia, Pa.</i>	234 D.
William Thomas Snider	<i>Leptondale, N. Y.</i>	364 George st.
Edward Elbridge Spalding	<i>Lynn, Mass.</i>	22 College st.
Henry Blanchard Spaulding	<i>Santa Barbara, Cal.</i>	22 College st.
Alfred Lyon Spencer	<i>Jasper, N. Y.</i>	232 D.
George Selden Spencer	<i>Deep River, Conn.</i>	A.
Crosby Buck Spinney	<i>Brooklyn, N. Y.</i>	141 F.
Frank Squier, Jr.	<i>Brooklyn, N. Y.</i>	260 Crown st.
Walter Negley Stillman	<i>Brooklyn, N. Y.</i>	22 College st.
Enoch Vine Stoddard, Jr.	<i>Rochester, N. Y.</i>	22 College st.
Edward Seymour Stringer	<i>St. Paul, Minn.</i>	220 D.
Russell Sullivan	<i>Indianapolis, Ind.</i>	222 D.
Harry Patterson Sweeny	<i>Drifton, Pa.</i>	415 B.
Sidney Edward Sweet	<i>Grand Rapids, Mich.</i>	155 Elm st.
Lawrence Swift	<i>New York City</i>	201 D.
Arthur Irving Taft	<i>Worcester, Mass.</i>	177 F.
John Hoyland Taylor	<i>Toledo, O.</i>	260 Crown st.
Amos Bateman Thacher	<i>Hartford, Conn.</i>	201 D.
Harry William Thomson	<i>Fall River, Mass.</i>	241 L.
Robert Fingland Tilney, 2d	<i>Plainfield, N. J.</i>	22 College st.
Howell Bostwick Townsend	<i>Walton, N. Y.</i>	686 W. D.
Harold McLeod Turner	<i>Brooklyn, N. Y.</i>	22 College st.
Elmer Willis VanBrunt	<i>Southampton, N. Y.</i>	258 L.
Benjamin VanCampen	<i>Olean, N. Y.</i>	348 WH.
William Knickerbocker VanReypen, Jr.	<i>Washington, D. C.</i>	22 College st.
George Frederick Vietor, Jr.	<i>New York City</i>	438 FW.
Ernest Leonard Visanska	<i>Abbeville, S. C.</i>	209 D.
John Barker Waite	<i>Toledo, O.</i>	226 D.

Leonard Knickerbocker Walbridge	<i>Germantown, Pa.</i>	22 College st.
Frank Lord Warrin, Jr.	<i>Stockbridge, Mass.</i>	313 W.
John Ryan Washburn	<i>Oyster Bay, N. Y.</i>	78 S. M.
Henry White	<i>Springfield, Mass.</i>	296 W.
Raymond Henry White	<i>New Haven, Conn.</i>	282 L.
William Wurts White, Jr.	<i>Providence, R. I.</i>	22 College st.
Edwin Sheldon Whitehouse	<i>Newport, R. I.</i>	22 College st.
Percival Arthur Whitmore	<i>New Haven, Conn.</i>	16 Beers st.
Cyrus French Wicker	<i>New York City</i>	132 F.
Arthur Robinson Williams	<i>Norwalk, Conn.</i>	162 F.
Elmer Reed Williams	<i>Chicago, Ill.</i>	289 W.
James Harvey Williams	<i>Brooklyn, N. Y.</i>	41 V.
Wallace Alvin Wilson	<i>Auburn, N. Y.</i>	95 S. M.
Eugene Hale Winslow	<i>Punxsutawney, Pa.</i>	1076 Chapel st.
Kenelm Winslow	<i>New York City</i>	238 D.
Roger Henry Wolcott	<i>Laredo, Tex.</i>	154 F.
Charles Wright, Jr.	<i>Detroit, Mich.</i>	250 Crown st.
Elliott Louis Wyler	<i>Cincinnati, O.</i>	268 L.
Harry Clinton York	<i>Lebanon, Conn.</i>	94 S. M.
Palmer York	<i>New Haven, Conn.</i>	233 D.
Albert Henry Yost	<i>Cincinnati, O.</i>	281 L.
Luther Kimbell Zabriskie	<i>Norwich, Conn.</i>	159 York st.

SOPHOMORES, 281

## FRESHMAN CLASS

Fred Ackert	<i>Washington, D. C.</i>	254 Crown st.
Mortimer Clark Addoms	<i>New York City</i>	22 College st.
George Henry Warren Alden	<i>Cornwall, Pa.</i>	238 York st.
Richard Steere Aldrich	<i>Providence, R. I.</i>	217 York st.
Henry Thomas Allen	<i>Lyon, Miss.</i>	155 Elm st.
Ernest Arthur Anderson	<i>Union City, Conn.</i>	161 F.
Raymond Mills Anderson	<i>Newton Center, Mass.</i>	585 P.
Austin Warmington Andrews	<i>Youngstown, O.</i>	242 York st.
Clarence Edward Andrews	<i>Norwalk, Conn.</i>	216 D.
Guy Turner Arms	<i>New York City</i>	248 York st.
Walter Preston Armstrong	<i>Coffeeville, Miss.</i>	287 York st.
Louis Malcom Atha	<i>Newark, N. J.</i>	22 College st.
John Ezra Ayers	<i>Spring Valley, N. Y.</i>	538 P.
Henry Denison Babcock, Jr.	<i>New York City</i>	250 York st.
William Thompson Bacon	<i>Derby, Conn.</i>	231 York st.
Arthur Bowen Baker	<i>East Orange, N. J.</i>	208 D.
Charles Henry Banks	<i>Amenia, N. Y.</i>	217 York st.
Howard Mead Bartlett	<i>Malden, Mass.</i>	587 P.
Lester Clement Barton	<i>Chicago, Ill.</i>	598 P.
Thomas Franklin Bausman	<i>Lancaster, Pa.</i>	131 F.
Hamilton Baxter	<i>Nashville, Tenn.</i>	250 Crown st.
William Baxter, Jr.	<i>Wilmington, Del.</i>	599 P.
Frederick Hayward Beach	<i>Morristown, N. J.</i>	231 York st.
Harry Beal	<i>Oneida, N. Y.</i>	387 Crown st.
Herbert Hawthorne Benedict	<i>N. Abington, Mass.</i>	77 S. M.
Ralph Blackhurst Bennett	<i>Waterville, N. Y.</i>	91 S. M.
Arthur Douglas Bissell, Jr.	<i>Buffalo, N. Y.</i>	534 P.
Kenneth Boardman	<i>New York City</i>	238 York st.
John Borden	<i>Chicago, Ill.</i>	250 York st.
Timothy Lincoln Bouscaren	<i>Cincinnati, O.</i>	217 York st.
Alfred Brand	<i>Chicago, Ill.</i>	176 York st.
Raymond John Brandon	<i>Derby, Conn.</i>	144 Dwight st.
Alvin Chester Breul	<i>Bridgeport, Conn.</i>	27 High st.
Vincent Chetwood Brewer	<i>Hockanum, Conn.</i>	552 P.
James Beebee Brinsmade	<i>New York City</i>	569 P.
Chester Kingsley Brooks	<i>Cleveland, O.</i>	554 P.
Andrew Jennings Brown	<i>Milford, Conn.</i>	348 WH.
Albert Leffingwell Brown	<i>Bloomfield, Conn.</i>	271 L.
Ben Overton Brown	<i>Denver, Colo.</i>	250 York st.
Nelson Courtlandt Brown	<i>South Orange, N. J.</i>	216 D.
Gilbert Browning	<i>Morristown, N. J.</i>	241 L.

Donald Bruce	<i>Easthampton, Mass.</i>	149 F.
Edward Thorpe Bulkley	<i>Fairfield, Conn.</i>	1076 Chapel st.
Frederick Kingsbury Bull	<i>New York City</i>	238 York st.
Charles Carver, Jr.	<i>Philadelphia, Pa.</i>	555 P.
Franklin Glazier Chapin	<i>Greenwich, Conn.</i>	217 York st.
Robert Robinson Chase	<i>Lyndon, Vt.</i>	293 York st.
Arthur Howard Clark	<i>Leonard Bridge, Conn.</i>	57 Park st.
Robert Lincoln Clark	<i>Ansonia, Conn.</i>	217 York st.
Wedworth William Clarke	<i>Jackson, Mich.</i>	248 York st.
Ralph Mortimer Coe	<i>Cleveland, O.</i>	554 P.
Harold William Condé	<i>Watertown, N. Y.</i>	551 P.
Richard Alexander Cooke	<i>Honolulu, H. I.</i>	112 College st.
Sidney Rogers Cook	<i>South Weymouth, Mass.</i>	218 D.
Theodore Strong Cooley	<i>Auburndale, Mass.</i>	250 L.
Edwin Corning	<i>Albany, N. Y.</i>	203 York st.
Henry Nicholas Costello	<i>Hartford, Conn.</i>	434 Howard av.
Walter Hurd Coursen	<i>Scranton, Pa.</i>	541 P.
Walter Ruel Cowles	<i>New Haven, Conn.</i>	1330 Chapel st.
Orris Ray Critchlow	<i>Clarion, Pa.</i>	311 York st.
Nellis Maynard Crouse	<i>Utica, N. Y.</i>	250 York st.
John Dickey Culbertson, Jr.	<i>Sewickley, Pa.</i>	248 York st.
Sidney Bradford Curtis	<i>Brooklyn, N. Y.</i>	546 P.
Charles Gould Curtiss	<i>Buffalo, N. Y.</i>	254 York st.
Geoffrey Curtiss	<i>Buffalo, N. Y.</i>	254 York st.
Herbert Hallock Cutler	<i>Bridgeport, Conn.</i>	71 Lake pl.
Cornelius Edward Daly	<i>Worcester, Mass.</i>	1076 Chapel st.
Henry Fowler Damon	<i>Honolulu, H. I.</i>	250 York st.
Lawrence Darr	<i>Pittsburg, Pa.</i>	1076 Chapel st.
Joseph Dart, Jr.	<i>Buffalo, N. Y.</i>	567 P.
Dragan Zaharia Daskaloff	<i>Kavadartsy, Macedonia</i>	115 Dwight st.
Friend St. Clair Dickinson	<i>Westbrook, Conn.</i>	592 P.
William Hughes Diller	<i>Springfield, Ill.</i>	250 York st.
John Forrest Dillon, 2d	<i>Topeka, Kans.</i>	1076 Chapel st.
Harold Edwin Dimock	<i>Hartford, Conn.</i>	242 York st.
Theodore Polhemus Dixon	<i>New York City</i>	250 York st.
Effingham Nevins Dodge	<i>Paterson, N. J.</i>	260 Crown st.
George Stuart Dole	<i>Bath, Me.</i>	418 B.
Louis Alexander Dole	<i>Bath, Me.</i>	418 B.
John Hampden Dougherty, Jr.	<i>Brooklyn, N. Y.</i>	589 P.
Louis deVierville Dousman	<i>Prairie du Chien, Wisc.</i>	570 P.
Frank Collins Downing	<i>Kansas City, Mo.</i>	565 P.
Harold Espe Drew	<i>Ansonia, Conn.</i>	27 High st.
William Mason Duncan	<i>Russellville, Ky.</i>	528 P.
John Gilmore Dunlap	<i>Philadelphia, Pa.</i>	522 P.



Edward Farnsworth Dustin	<i>Hartford, Conn.</i>	250 York st.
Augustus Wilson Eddy	<i>Washington, D. C.</i>	248 York st.
Harry Edwards	<i>Rye, N. Y.</i>	6 Pearl st.
John Ray Edwards	<i>Rome, N. Y.</i>	412 B.
Francis Bolton Elwell	<i>Norwich, Conn.</i>	594 P.
Grosvenor Ely	<i>Norwich, Conn.</i>	238 York st.
Edwin Rogers Embree	<i>Berea, Ky.</i>	404 B.
Arthur Garfield Erwin	<i>Clear Branch, Tenn.</i>	551 P.
Alfred Ethridge	<i>Rome, N. Y.</i>	250 York st.
James Edwin Ewers	<i>Fredericktown, O.</i>	404 B.
James Linwood Fawley	<i>Philadelphia, Pa.</i>	130 Howe st.
Horace Farwell Ferry	<i>Lake Forest, Ill.</i>	576 P.
Samuel Field, Jr.	<i>Philadelphia, Pa.</i>	537 P.
John Joseph Finegan	<i>Lawrence, Mass.</i>	159 Elm st.
Littleton Holmes Fitch	<i>New York City</i>	203 D.
Benjamin Fitzpatrick	<i>Kansas City, Mo.</i>	566 P.
Roger Yale Flanders	<i>Milwaukee, Wisc.</i>	242 York st.
Alexander Rex Flinn	<i>Pittsburg, Pa.</i>	358 WH.
Edward Coleman Flynn	<i>Meriden, Conn.</i>	Meriden
Frazer Lee Ford	<i>St. Joseph, Mo.</i>	250 York st.
Allen Evarts Foster	<i>New Haven, Conn.</i>	572 P.
Charles Newell Fowler	<i>Elizabeth, N. J.</i>	379 WH.
George Starkweather Fowler	<i>New Haven, Conn.</i>	205 Whalley av.
Mason Anthony Freeman	<i>Bradford, Pa.</i>	524 P.
Alexander Fulton	<i>New Haven, Conn.</i>	525 P.
Irving Kent Fulton	<i>Waterbury, Conn.</i>	379 WH.
Elmer William Gearing	<i>Portland, Me.</i>	281 Crown st.
Irwin Le Roy Gelser	<i>Hagaman, N. Y.</i>	595 P.
William Walker Gibson	<i>Albany, N. Y.</i>	226 York st.
William Stuart Glazier	<i>So. Glastonbury, Conn.</i>	242 York st.
Hollis Currier Goodwin	<i>Haverhill, Mass.</i>	95 S. M.
Howard Goodwin	<i>Hartford, Conn.</i>	357 WH.
Charles Waterhouse Goodyear, Jr.	<i>Buffalo, N. Y.</i>	567 P.
Lemuel Whittington Gorham	<i>Albany, N. Y.</i>	540 P.
Peter Gow	<i>Holyoke, Mass.</i>	595 P.
Lincoln Depew Granniss	<i>East Haven, Conn.</i>	Station A
Lester Eames Grant	<i>Denver, Colo.</i>	248 York st.
Jacob Samuel Grauman	<i>Louisville, Ky.</i>	530 P.
John Nesmith Greely	<i>Washington, D. C.</i>	545 P.
Crawford Greene	<i>Providence, R. I.</i>	600 P.
Albert Byron Gregory	<i>St. Louis, Mo.</i>	A.
Melville Brooks Gurley	<i>Washington, D. C.</i>	584 P.
Isaac Staples Hall	<i>Medford, Mass.</i>	96 Park st.

Walter Phelps Hall	<i>Newburgh, N. Y.</i>	581 P.
John Richard Halsey	<i>Wilkes-Barre, Pa.</i>	192 York st.
Benjamin Pomeroy Hamlin	<i>Easthampton, Mass.</i>	149 F.
Fort Hammond	<i>Savannah, Ga.</i>	250 York st.
Harold Eberhart Hammond	<i>Chicago, Ill.</i>	550 P.
Louis Walter Handel	<i>Buffalo, N. Y.</i>	434 FW.
George Cushman Hannahs	<i>Newark, N. J.</i>	229 D.
James Arthur Harley	<i>Antigua, British W. I.</i>	75 Edgewood av.
Samuel Milby Harrington	<i>Brooklyn, N. Y.</i>	238 York st.
William Daniels Harris	<i>Minneapolis, Minn.</i>	250 York st.
William Hugh Harris	<i>Binghamton, N. Y.</i>	563 P.
Frank Edwin Harwi	<i>Atchison, Kans.</i>	542 P.
Frank Anderson Hayes	<i>Buffalo, N. Y.</i>	569 P.
Donald Parker Haynie	<i>St. Paul, Minn.</i>	573 P.
Harold Wade Headley	<i>East Orange, N. J.</i>	208 D.
Dwight Ruggles Perry Heaton	<i>Washington, D. C.</i>	543 P.
Gustave Maurice Heckscher	<i>Huntington, L. I.</i>	242 York st.
Charles Frederick Hewitt	<i>Meriden, Conn.</i>	Meriden
Grover Bates Higgins	<i>Columbus, O.</i>	233 York st.
Charles Hill	<i>Norwalk, Conn.</i>	238 York st.
Edward Albert Holaday	<i>New Haven, Conn.</i>	283 Lenox st.
Harold Hone	<i>New York City</i>	533 P.
Willard Deere Hosford	<i>Moline, Ill.</i>	242 York st.
Edmund Grant Howe	<i>Hartford, Conn.</i>	560 P.
Lydig Hoyt	<i>New York City</i>	203 York st.
Morris Hudnut	<i>Terre Haute, Ind.</i>	242 York st.
Alexander Pope Humphrey, Jr.	<i>Louisville, Ky.</i>	250 Crown st.
Ernest Braislin Humpstone	<i>Brooklyn, N. Y.</i>	422 B.
Philip Woodward Hunt	<i>Cincinnati, O.</i>	539 P.
William George Hunt	<i>Florence, Mass.</i>	315 Crown st.
Clarence Seymour Hutt	<i>New Haven, Conn.</i>	69 Mechanic st.
Pharselus Verona Crittenden Jackson	<i>Rochester, N. Y.</i>	22 College st.
Harold Burton Jamison	<i>Gloversville, N. Y.</i>	359 WH.
Russell Dixon Janney	<i>Bridgeport, Conn.</i>	575 P.
Henry Gildersleeve Jarvis	<i>Portland, Conn.</i>	1081 Chapel st.
Walter Morrison Jeffords	<i>Philadelphia, Pa.</i>	22 College st.
William Curtiss Johnson	<i>Yonkers, N. Y.</i>	173 F.
William Kurtz Johnson	<i>Washington, D. C.</i>	238 York st.
Irenus Prime Keith	<i>Winchester, Tenn.</i>	486 Elm st.
Augustus Wilkens Kelley, Jr.	<i>New York City</i>	238 York st.
Hal Rowe Kellogg	<i>New Haven, Conn.</i>	54 Grove st.
Towner Kent	<i>Patterson, N. Y.</i>	342 Crown st.
John Russell Kennedy	<i>McSparran, Pa.</i>	22 College st.
Albert Rowden King	<i>Brooklyn, N. Y.</i>	586 P.

Edmund Stanley Kochersperger	<i>New Haven, Conn.</i>	529 P.
Walter Rudolf Koehler	<i>Cincinnati, O.</i>	547 P.
Harold Fowler Larkin	<i>Winsted, Conn.</i>	West Haven
John Ely Lathrop	<i>Westfield, N. J.</i>	231 York st.
John Hiram Lathrop	<i>Kansas City, Mo.</i>	22 College st.
George Andrew LaVie, Jr.	<i>Brooklyn, N. Y.</i>	250 York st.
Henry Wells Lawrence, Jr.	<i>White Plains, N. Y.</i>	80 S. M.
Robinson Leech	<i>Brooklyn, N. Y.</i>	548 P.
George Burwell Leggett	<i>New York City</i>	599 P.
George Cabot Ward Low	<i>Brooklyn, N. Y.</i>	203 York st.
Franklin Alcott Lum	<i>West Haven, Conn.</i>	West Haven
Edmund Rutan Lupton	<i>Mattituck, N. Y.</i>	233 York st.
John Philip Lyons	<i>Indian Orchard, Mass.</i>	13 Lake pl.
Donald McBride	<i>Cleveland, O.</i>	553 P.
Wilson Shaw McClintock	<i>Pittsburg, Pa.</i>	242 York st.
James Gore King McClure, Jr.	<i>Lake Forest, Ill.</i>	558 P.
William Pitt McCune	<i>Columbus, O.</i>	237 York st.
Noah MacDowell, Jr.	<i>New York City</i>	577 P.
Abram Wilbur Mace	<i>Richmond, Mass.</i>	583 P.
Donald Ashbrook McGee	<i>Plainfield, N. J.</i>	250 York st.
Kingsley Rich MacGuffey	<i>Boston, Mass.</i>	247 L.
Stanleigh Winslow Macgurn	<i>Rochester, N. Y.</i>	192 York st.
Stanley Robinson MacLane	<i>New Haven, Conn.</i>	33 Howe st.
Colin William McLennon	<i>Syracuse, N. Y.</i>	92 York sq.
John Gillespie Magee	<i>Pittsburg, Pa.</i>	358 WH.
Dwight Sterling Mallett	<i>Bridgeport, Conn.</i>	34 Lynwood pl.
Joseph Lee Matthews	<i>Bass, Ala.</i>	214 D.
William Elder Marcus, Jr.	<i>Montclair, N. J.</i>	544 P.
Nelson Bush Mayo	<i>New York City</i>	242 York st.
Benjamin Heath Mead	<i>New Canaan, Conn.</i>	217 York st.
Duncan Ivers Meier	<i>St. Louis, Mo.</i>	22 College st.
Eugene Leavens Mersereau	<i>Portville, N. Y.</i>	536 P.
Blakeman Quintard Meyer	<i>New York City</i>	260 Crown st.
Henry Graham Meyer	<i>Allegheny, Pa.</i>	27 College st.
Edward Shorrey Mills	<i>New York City</i>	535 P.
James Lynn Mitchell	<i>Franklin, Pa.</i>	238 York st.
John Teobaldo Monzani	<i>Waterbury, Conn.</i>	237 York st.
William Singer Moorhead	<i>Greensburg, Pa.</i>	248 York st.
Barrington Moore	<i>New York City</i>	170 York st.
Don Lorenzo Moore	<i>New York City</i>	238 York st.
Angus Washburn Morrison	<i>Minneapolis, Minn.</i>	112 College st.
Charles Morse	<i>New Woodstock, N. Y.</i>	412 B.
Seth Hamilton Moseley, 2d	<i>New Haven, Conn.</i>	New Haven House
Matthew Nigohos Nahigan	<i>Harpoot, Armenia</i>	361 WH.

Robert Wilden Neeser	<i>New York City</i>	561 P.
Harold Clinton Nelson	<i>West Suffield, Conn.</i>	231 York st.
John Strong Newberry	<i>Cleveland, O.</i>	553 P.
William Disney Nichols	<i>Fayetteville, N. Y.</i>	293 York st.
Frank O'Brien	<i>Plattsburgh, N. Y.</i>	580 P.
George Braddock Ogle	<i>Chicago, Ill.</i>	250 York st.
Herbert Paul Onasch	<i>Andover, Mass.</i>	75 Day st.
Raymond William Osborne	<i>Berea, Ky.</i>	53 Prospect st.
Richard Park	<i>Warren, N. H.</i>	522 P.
George Grant Parkhurst	<i>Buffalo, N. Y.</i>	386 B.
Ira Sperry Parke	<i>Detroit, Mich.</i>	250 York st.
Andrew Parker	<i>Washington, D. C.</i>	570 P.
Theodore Gordon Peck, Jr.	<i>West Haverstraw, N. Y.</i>	248 York st.
Eugene Beal Peirsel	<i>New York City</i>	7 Library st.
Frank Thurston Pendleton	<i>New London, Conn.</i>	363 WH.
Lee James Perrin	<i>New Haven, Conn.</i>	463 Whitney av.
Edward Perry	<i>Honolulu, H. I.</i>	9 Library st.
Richard Andrews Perry	<i>Southport, Conn.</i>	278 L.
William Henry Peters	<i>Syracuse, N. Y.</i>	242 York st.
John Case Phelps	<i>Binghamton, N. Y.</i>	579 P.
William Brace Pratt	<i>Brooklyn, N. Y.</i>	250 York st.
Charles Wesley Price	<i>East Orange, N. J.</i>	229 D.
Vernon Dana Price, Jr.	<i>Louisville, Ky.</i>	557 P.
Warren Edward Price	<i>Los Angeles, Cal.</i>	226 York st.
Russell Godine Pruden	<i>New York City</i>	159 Elm st.
Clinton Norman Quinby	<i>Geneseo, N. Y.</i>	377 WH.
Arthur Bertram Randolph	<i>New York City</i>	242 York st.
Alexander Mortimer Renick	<i>Chillicothe, O.</i>	1076 Chapel st.
Lawrence Groff Reynolds	<i>Toledo, O.</i>	248 York st.
Robert John Rich	<i>Fort Dodge, Iowa</i>	1193 Chapel st.
Francis Hoppin Richmond	<i>Flushing, N. Y.</i>	1076 Chapel st.
Caleb Shreve Ridgway, Jr.	<i>Columbus, N. J.</i>	578 P.
Miles Bradley Riggs	<i>Palmyra, N. Y.</i>	590 P.
Arthur Werner Rinke	<i>New York City</i>	238 York st.
Francis Clapp Robertson	<i>New York City</i>	250 York st.
William Goodwin Robinson	<i>Williamsport, Pa.</i>	311 York st.
Foster Harry Rockwell	<i>Portland, Oregon</i>	214 D.
Platt Rogers, Jr.	<i>Denver, Colo.</i>	248 York st.
Robert Landon Rogers	<i>Providence, R. I.</i>	600 P.
Rufus Story Rowland	<i>Plainfield, N. J.</i>	254 York st.
Howard Frank Russell	<i>Suffield, Conn.</i>	231 York st.
Merrill Burr Sands	<i>Newtonville, Mass.</i>	200 York st.
George Paull Torrence Sargent	<i>Indianapolis, Ind.</i>	263 L.
Murray Sargent	<i>New Haven, Conn.</i>	250 Crown st.

Clarence Colton Scarborough	West Hartford, Conn.	521 P.
Avery Milton Schermerhorn	New Haven, Conn.	37 Lynwood pl.
Lester Randolph Scovill	Bridgeport, Conn.	Box 850, Yale P. O.
Philip Johnston Scudder	New York City	593 P.
Parke Godwin Sedley	New York City	231 York st.
Edward Clarkson Seward, Jr.	Montclair, N. J.	526 P.
Paul Sheehan	Buffalo, N. Y.	7 Library st.
Harrison Tweed Sheldon	New Haven, Conn.	22 College st.
William Brewster Shelton	Norwalk, Conn.	162 F.
Franklin Goldthwaite Sherrill	Brooklyn, N. Y.	586 P.
Everitt Anthony Sherwood	Ottawa, Ill.	531 P.
Thomas Leonard Shevlin	Minneapolis, Minn.	250 York st.
William Patten Shoemaker	Wilkes-Barre, Pa.	538 P.
Edward Parnell Sloane	Thompsonville, Conn.	60 Whalley av.
Bruce Donald Smith	Lake Forest, Ill.	250 York st.
Philip Chapin Smith, Jr.	Westfield, Mass.	248 York st.
Carl Warrington Somers	Auburn, N. Y.	161 F.
Harold SooySmith	Green's Farms, Conn.	22 College st.
William Buell Sprague	Flushing, N. Y.	237 York st.
Reginald Rockefeller Squire	Cleveland, O.	216 Orchard st.
William Lord Squire	Meriden, Conn.	271 L.
Guy Thomas Stetson	Nordhoff, Cal.	574 P.
Carleton Hickox Stevens	New Haven, Conn.	23 Asylum st.
John Archibald Stevenson	Chicago, Ill.	217 York st.
John Francis Stimson	Plainfield, N. J.	590 P.
Charles Cyprian Strong, 2d	Detroit, Mich.	248 York st.
George Berger Struby	Denver, Colo.	250 York st.
George Sturges	Chicago, Ill.	250 York st.
Henry Hawley Swords	Morristown, N. J.	250 York st.
Fred Branford Syphax	Washington, D. C.	364 WH.
Howard Taft	Cincinnati, O.	22 College st.
Arthur Hutchinson Terry, Jr.	Patchogue, N. Y.	596 P.
Mahlon Daniel Thatcher, Jr.	Pueblo, Colo.	250 York st.
Abel Cary Thomas	New York City	1076 Chapel st.
Ralph Hill Thomas	New York City	22 College st.
Alfred Pembroke Thom, Jr.	Norfolk, Va.	556 P.
George Lee Thompson	Ballston Spa, N. Y.	22 College st.
Norman Frederick Thompson, Jr.	Rockford, Ill.	568 P.
Orlando Lewis Thompson	Auburn, N. Y.	89 Park st.
Carlyle Clifford Thomson	West Hartford, Conn.	521 P.
Charles Terhune Tileston	Binghamton, N. Y.	276 Prospect st.
Edwin Ward Tillotson	Farmington, Conn.	250 L.
Leonard Enos Todd	Woodbridge, Conn.	78 S. M.

Lewis Holmes Tooker	Brooklyn, N. Y.	588 P.
James Albert Toole	Holyoke, Mass.	1076 Chapel st.
Spencer Turner	Brooklyn, N. Y.	357 WH.
Charles Pratt Tuttle	New Haven, Conn.	217 Mansfield st.
Joseph Hooker Twichell	Hartford, Conn.	357 WH.
George Underwood, Jr.	Auburn, N. Y.	568 P.
Chester Burrows VanTassel	Brooklyn, N. Y.	420 B.
Garrat Bleecker VanWagenen	South Orange, N. J.	248 York st.
John Adolf Vietor	New York City	250 York st.
Faron Nelson Wakefield	Port Chester, N. Y.	80 s. m.
Harris Walcott	Indianapolis, Ind.	313 York st.
Charles Ives Waldo	Chicago, Ill.	242 L.
Otis Harvey Waldo, Jr.	Chicago, Ill.	242 L.
James Harold Wallis	Dubuque, Iowa	130 Wall st.
William Alfred Walters	Wyoming, Ill.	523 P.
Henry Augustus Walton	Brooklyn, N. Y.	238 York st.
Hiram Lee Ward	Unadilla, N. Y.	213 York st.
Sheldon Ward	Yankton, S. D.	174 F.
Donald Judson Warner, 2d	Salisbury, Conn.	583 P.
John Warner	Wilmington, Del.	527 P.
Edmund Leon Warren	Danielson, Conn.	585 P.
Hugh Pinckney Warren	Lynchburg, Tenn.	333 York st.
William VanAntwerp Waterman	Albany, N. Y.	532 P.
Kenneth Ellingham Weeks	Bridgeport, Conn.	248 York st.
Charles Buckley Welch	Meriden, Conn.	Meriden
Kenyon Deupree Wells	Vicksburg, Miss.	250 York st.
Ralph Wesley Wescott	Haddonfield, N. J.	392 B.
Arthur Leonard Westcott	Oneonta, N. Y.	132 Howe st.
Henry Franklin Whitcomb, Jr.	Milwaukee, Wisc.	242 York st.
Edwin White	St. Paul, Minn.	584 P.
Philip Trumbull White	Brooklyn, Conn.	537 P.
Harry Howe Whittaker	New Haven, Conn.	57 Beers st.
Richard Edmond Whittlesey	New Haven, Conn.	135 Wall st.
Jere Raymond Wickwire	Cortland, N. J.	250 York st.
John Middagh Willard	New York City	242 York st.
Richard Farrand Williams	Detroit, Mich.	559 P.
Arthur Clarence Williamson	Westfield, Mass.	231 York st.
Frank Eugene Wilson	Clinton, Iowa	238 York st.
Hugh Robert Wilson	Evanston, Ill.	535 P.
Dwight Milton Wishard	St. Paul, Minn.	22 College st.
Russell Scipt Wolfe	Philadelphia, Pa.	279 L.
Alexander James Wood	Branford, Conn.	Branford
Douglas Woodruff	Auburn, N. Y.	260 Crown st.
Selah Howell Wright	Sandy Hook, Conn.	126 Wall st.

William Hogencamp Wurts	<i>Paterson, N. J.</i>	582 P.
Bayard Daniel York	<i>North Stonington, Conn.</i>	29 Lake pl.
Clarence Hascy Young	<i>Albany, N. Y.</i>	22 College st.
Russell Jewell Young	<i>Hartford, Conn.</i>	552 P.

**FRESHMEN, 351**

## SUMMARY

SENIORS	.	.	.	.	.	313
JUNIORS	.	.	.	.	.	260
SOPHOMORES	.	.	.	.	.	281
FRESHMEN	.	.	.	.	.	351
						<hr/>
						1205

# SHEFFIELD SCIENTIFIC SCHOOL

## GRADUATE STUDENTS

### WITH THEIR MAJOR SUBJECTS OF STUDY

William Gilbert Anderson, M.D. Western Reserve University 1883, B.A. Yale University 1902	<i>New Haven, Conn.</i> 120 College st. Physiology
John Appleton, B.A. Bowdoin College 1902	<i>Bangor, Me.</i> 78 Lake pl. Botany
Der Mahdesian Arshag, B.A. Euphrates College 1896	<i>Harpoot, Turkey</i> 95 Goffe st. English
Edward Monroe Bailey, PH.B. Yale University 1902	<i>Middletown, Conn.</i> 297 York st. Chemistry and Biology
Hugh Potter Baker, B.S. Michigan Agricultural College 1901	<i>St. Croix Falls, Mich.</i> 78 Lake pl. Botany
Julian Thomas Barclay, B.A. Bethany College (W. Va.) 1898, M.A. Bethany College 1902	<i>Bethany, W. Va.</i> 61 Park st. English
Grace Alide Beebe, B.A. Wesleyan University 1901	<i>New Haven, Conn.</i> 23 Prince st. English
Silas Palmer Beebe, B.S. Harvard University 1900, M.S. Yale University 1902	<i>New Haven, Conn.</i> 22 Tilton st. Physiology and Physiol. Chemistry
John Charles Blake, B.S. University of Colorado 1901	<i>Boulder, Colo.</i> 130 Wall st. Mineralogy
Harold Cornelius Bradley, B.A. University of California 1900	<i>New Haven, Conn.</i> 333 York st. Biology
John Henry Bridges, B.S. Florida State Agricultural College 1902	<i>Barton, Fla.</i> 299 Norton st. Botany and Mineralogy
Howard Stanley Bristol, PH.B. Yale University 1902	<i>Meriden, Conn.</i> 333 York st. Chemistry
Wilton Everett Britton, B.S. N. Hampshire Coll. Agric. 1893	<i>New Haven, Conn.</i> 1317 Boulevard Botany
Howard Logan Bronson, B.A. Yale University 1900	<i>New Haven, Conn.</i> 1233 Chapel st. Physics
Albert Turney Brown, PH.B. Yale University 1902	<i>Fairfield, Conn.</i> 122 Wall st. Mechanical Engineering



Earle Wayne Brown, PH.B. Yale University 1902	<i>New Haven, Conn.</i> 122 Wall st. Mechanical Engineering
Horatio Jones Brown, B.A. Union University 1901	<i>Schenectady, N. Y.</i> 182 Mansfield st. Botany and Mineralogy
James Brown, B.A. Yale University 1902	<i>Buffalo, N. Y.</i> 434 FW. Mineralogy
Katharine Jeannette Bush, PH.D. Yale University 1901	<i>New Haven, Conn.</i> 133 Howe st. Natural Science
George Whitfield Butts, PH.B. Yale University 1902	<i>New York City</i> 152 Grove st. Mechanical Engineering
Marian Dickinson Campbell, B.A. Radcliffe College 1899	<i>Middlefield, Conn.</i> 331 Temple st. English
Henry Seidel Canby, PH.B. Yale University 1899	<i>Wilmington, Del.</i> 701 W. D. English
*Frederic James Carnell, PH.B. Yale University 1900	<i>Bristol, Conn.</i> 344 Elm st. Physics
Edgar Edgecombe Carter, B.A. Bowdoin College 1902	<i>Bath, Me.</i> 104 York sq. Botany and Mineralogy
Walter Lawrence Chamberlain, B.A. Yale University 1902	<i>Springfield, Mass.</i> 933 Elm st. English
Samuel Hopkins Clapp, B.A. Yale University 1901	<i>Pawtucket, R. I.</i> 662 W. D. Chemistry
John Putnam Clark, M.A. Tufts College 1900	<i>Meriden, Conn.</i> Meriden English
Frederick Sears Coe, PH.B. Yale University 1899	<i>Newark, N. J.</i> A. Mechanical Engineering
George Lucius Collie, B.S. Beloit College, PH.D. Harvard 1893	<i>Beloit, Wisc.</i> 316 Crown st. Paleontology
Henry H. Conover, B.S. Rutgers College 1900, M.S. Yale University 1902	<i>New Brunswick, N. J.</i> 120 York st. Mathematics
William Bronson Cramer, PH.B. Yale University 1902	<i>New Haven, Conn.</i> 57 Prospect st. Chemistry
Edgar Roscoe Cumings, B.A. Union College 1897	<i>Madison, O.</i> 22 Whalley av. Geology and Paleontology
James Elbert Cutler, B.A. University of Colorado 1900	<i>Boulder, Colo.</i> 373 Crown st. Political Science

\* Deceased.

- William Frederick Dickerman, M.A. *New Haven, Conn.* 276 Orange st.  
Florida University 1885, Geology and Mineralogy  
National Normal Univ. of Ohio 1902
- Edward Lewis Dodd, B.A. *Columbus, O.* 120 York st.  
Western Reserve University 1897, Mathematics  
M.A. Western Reserve University 1901
- Samuel William Dudley, PH.B. *Westville, Conn.* Westville  
Yale University 1900 Mechanical Engineering
- Harold Benjamin Eastman, B.S. *Portland, Me.* 74 Lake pl.  
Bowdoin College 1902 Botany
- Morgan Shuit Elmer, PH.B. *Central Valley, N. Y.* 57 Prospect st.  
Yale University 1902 Chemistry
- Clara Eliza Emerson, B.A. *Beloit, Wisc.* 89 Whalley av.  
Wellesley College 1891 English
- Frederick Rogers Fairchild, B.A. *Crete, Nebr.* 373 Crown st.  
Doane College 1898 Political Science
- Cassius Asa Fisher, B.A. *Sweden, Nebr.* 92 Dwight st.  
University of Nebraska 1898, Geology  
M.A. Univ. of Nebraska 1900
- Charles Paxson Flora, B.A. *Columbia, Pa.* 8 Prospect pl.  
Yale University 1902 Mineralogy
- Joseph Fogelberg, B.S. *Lindsborg, Kans.* 149 St. John st.  
Bethany College 1899 German
- William Ebenezer Ford, Jr., PH.B. *New Haven, Conn.* 16 Lynwood pl.  
Yale University 1899 Mineralogy
- Harold Day Foster, B.A. *Auburndale, Mass.* 104 York sq.  
Williams College 1902 Botany and Mineralogy
- Stanley Leman Galpin, B.A. *New Haven, Conn.* 77 Mansfield st.  
Western Reserve University 1901, French  
M.A. Yale University 1902
- Milton Stahl Garver, B.A. *Tiffin, O.* 77 Mansfield st.  
Western Reserve University 1901, French  
M.A. Yale University 1902
- Robert Banks Gibson, PH.B. *New Haven, Conn.* 18 Trumbull st.  
Yale University 1902 Physiology and Physiol. Chemistry
- Ralph Davis Gilbert, B.S. *Gilead, Conn.* Kent Lab'y  
Boston University 1900 Mineralogy
- Viola White Goin, B.A. *Oberlin, O.* 34 Foote st.  
Oberlin College 1901 English
- Arthur Harmount Graves, B.A. *Hartford, Conn.* 51 N. S. H.  
Yale University 1900 Botany

William Buckhout Greeley, B.L. University of California 1901	Oakland, Cal.	83 Sachem st. Botany and Mineralogy
Walter Brooke Hadley, B.S. Pacific College 1901	Newberg, Oregon	94 Division st. Mineralogy
Frank Percival Hamilton, B.A. Colby College 1902	Boston, Mass.	74 Lake pl. Botany and Mineralogy
Frederick Brown Harrison, PH.B. Yale University 1899	New Haven, Conn.	83 Grove st. English
Ralph Chipman Hawley, B.A. Amherst College 1901	Amherst, Mass.	214 Dixwell av. Botany and Mineralogy
Amelia Isabel Henry, B.L. University of California 1898	Berkeley, Cal.	82 York sq. English
Yukichi Hokodachi Middle School 1899	Japan	363 Crown st. Mineralogy
Albert Kemp Hubbard, PH.B. Yale University 1901	Kane, Pa.	113 College st. Civil Engineering
William Albert Hyde, PH.B. Yale University 1901	North Haven, Conn.	86 Pearl st. Mathematics and Physics
George Samuel Jamieson, PH.B. Yale University 1901	Bridgeport, Conn.	Bridgeport Chemistry
Paul Julius Herman Jente, PH.B. Yale University 1902	New Haven, Conn.	97 Bristol st. Mechanical Engineering
Hjalmar Philip Johnson, B.A. Bethany College 1901	Lindsborg, Kans.	174 Bradley st. English
William Savage Johnson, B.A. Yale University 1900	Meriden, Conn.	311 York st. English
Eva Soule Jones, B.A. Wells College 1897	New Haven, Conn.	387 Edgewood av. English
Paul Delmar Kelleter, B.A. Washington University 1902	St. Louis, Mo.	30 Tilton st. Botany and Mineralogy
Arthur Potter Knight, PH.B. Yale University 1901	Rome, N. Y.	132 Wall st. Sanitary Engineering
Beverly Waugh Kunkel, PH.B. Yale University 1901	Harrisburg, Pa.	2 Hillhouse av. Biology
Ralph Walker Langley, PH.B. Yale University 1902	New Haven, Conn.	229 Blatchley av. Physiology and Physiol. Chemistry
William Gilbert Lathrop, B.A. Brown University 1889, B.D. Yale University 1892	Shelton, Conn.	Shelton Political Science

Charles Stanley Leavenworth, PH.B.	<i>Hamden, Conn.</i>	Whitneyville
Yale University 1902		Chemistry
Oliver Clarence Lester, B.A.	<i>Fayette, Mo.</i>	479 Elm st.
Central College 1897,		Mathematics
M.A. Central College 1898,		
M.A. Yale University 1902		
David Ford McFarland, B.A.	<i>Lawrence, Kans.</i>	22 Whalley av.
University of Kansas 1900,		Chemistry
M.A. University of Kansas 1901		
Margaret McLaughlin, B.A.	<i>Lebanon, O.</i>	486 Elm st.
National Normal University 1890		English
William Duncan Malcolm, PH.B.	<i>New Haven, Conn.</i>	33 Bishop st.
Yale University 1902		Civil Engineering
Herbert Samuel Mallory, PH.B.	<i>Akron, O.</i>	87 Dwight st.
Western Reserve University 1899,		English
M.A. Western Reserve University 1900		
Otojiro Matsuo	<i>Tokyo, Japan</i>	6 Trumbull st.
Doshisha College 1889		Political Science
Herbert Edwin Medway, B.A.	<i>Daleville, Pa.</i>	64 Lake pl.
Yale University 1900		Mineralogy
Henry Franklin Merriam, PH.B.	<i>Summit, N. J.</i>	162 S. L.
Yale University 1900		Chemistry
Hamilton Griswold Merrill, B.A.	<i>Andover, Mass.</i>	104 Prospect st.
Amherst College 1900		Mineralogy and Botany
Helen Abbott Merrill, B.A.	<i>Brentwood, N. Y.</i>	37 Howe st.
Wellesley College 1886		Mathematics
Kumazo Mikami, B.D.	<i>Tokyo, Japan</i>	6 Trumbull st.
Trinity College (Japan) 1890		Political Science
Frank S. Miller, PH.B.	<i>Red Oak, Iowa</i>	74 Lake pl.
State University of Iowa 1900		Mineralogy
Hiram Miller, PH.B.	<i>Middlefield, Conn.</i>	599 Elm st.
Yale University 1901		Sanitary Engineering
Louis Christian Miller, B.S.	<i>Stillwater, Okla.</i>	94 Division st.
Oklahoma Agricultural and Mechanical College 1900		Botany
Jitaro Mori	<i>Iyo, Japan</i>	388 Crown st.
Doshisha College 1894		Political Science
Jesse Benton Mowry, B.S.	<i>Chepachet, R. I.</i>	18 Court st.
Norwich University, Vt., 1892		Biology and Geology
Daniel Leeper Mumpower, B.A.	<i>Fayette, Mo.</i>	47 Lake pl.
Central College 1902		Political Science

Herbert Spencer Murch, B.A. University of Oregon 1898	Coburg, Oregon English	373 Crown st.
Watson Nicholson, B.A. Leland Stanford Jr. University 1892, M.A. Harvard University 1895	Redlands, Cal. English	514 George st.
Nariyoshi Nishiike Doshisha College 1893	Kyoto, Japan Political Science	373 Crown st.
Wallace Notestein University of Wooster (Ohio) 1900	Wooster, O. English	1157 Chapel st.
Jennie Alice Park, B.S. Mt. Holyoke College 1896	Exeter, Conn. Mathematics	230 Oak pl.
Allan Bouton Patterson, B.S. Dartmouth College 1898	Concord, N. H. Mineralogy and Botany	8 Prospect pl.
Aaron Perry, B.A. Acadia University 1901, M.A. Acadia University 1902	Wolfville, N. S. English	68 Whalley av.
Percy Edward Raymond, B.A. Cornell University 1902	New Canaan, Conn. Geology and Paleontology	73 Lake pl.
Jeremiah Rebmann, B.S. University of Nebraska 1898	Lincoln, Nebr. Mineralogy	313 Winchester av.
Paul Goodwin Redington, B.A. Dartmouth College 1900	Evanston, Ill. Mineralogy and Botany	8 Prospect pl.
John Pierrepont Rice, B.A. Yale University 1900, M.A. Yale University 1901	Santa Barbara, Cal. English	707 W. D.
Henry Hollister Robinson, PH.B. Yale University 1895, C.E. 1897	Hartford, Conn. Geology	333 York st.
Henry Nichols Sanborn, B.A. Dartmouth College 1902	Boston, Mass. English	217 York st.
Clifton James Sarle, B.A. University of Rochester 1902	Rochester, N. Y. Paleontology	545 Howard av.
Avery Turner Searle, B.A. Pomona College 1896	Claremont, Cal. Mineralogy and Botany	159 Blake st.
Elias Howard Sellards, B.A. University of Kansas 1899, M.A. University of Kansas 1900	Lawrence, Kans. Paleobotany	22 Whalley av.
Frederick Lafayette Shinn, B.A. Indiana University 1901, M.A. Indiana University 1902	Montpelier, Ind. Chemistry	47 Lake pl.
Burke Smith, B.S. University of Washington 1899	Auburn, Wash. Mathematics	1136 Chapel st.

Clara Eliza Smith, B.A. Mt. Holyoke Seminary 1885	Northford, Conn. 42 Park st. Mathematics
Clinton Gold Smith, B. AGR. Conn. Agricultural College 1898	Atlanta, Ga. 182 Mansfield st. Mineralogy and Botany
Robert John Smith, B.A. Drake University 1896, M.A. 1898, B.D. Yale University 1902	Des Moines, Iowa 122 Derby av. Political Science
Frederick Clark Stanley, B.A. Williams College 1893	Bridgeport, Conn. Bridgeport Mineralogy
Joannes Gabriel Statiropoulos, B.A. Anatolia College 1899	Tolas, Asia Minor 2 Hillhouse av. Chemistry and Geology
Harry Merriman Steele, PH.B. Yale University 1894, M.D. Johns Hopkins University 1902	New Haven, Conn. 226 Church st. Physiology and Physiol. Chemistry
Douglas Bovard Sterrett, B.S. Columbian University 1902	Washington, D. C. 39 Lynwood pl. Geology and Mineralogy
Karl Eben Stromquist, B.S. Bethany College 1899	McPherson, Kans. 59 Prospect st. Mathematics
Robert Eccles Swain, B.A. Leland Stanford Jr. University 1899, M.S. Yale University 1901	Palo Alto, Cal. A. Physiology and Physiol. Chemistry
Mignonnette Talbot, B.A. Ohio State University 1892	Columbus, O. Paleontology
Morris Gardner Talcott, B.A. Yale University 1902	Talcottville, Conn. 264 Lawrence st. Mineralogy
Leonard Merrill Tarr, B.A. Bates College 1882, M.A. Yale University 1901	New Haven, Conn. 156 Whalley av. Physics
Edwy Lycurgus Taylor, PH.B. Yale University 1901	Albany, N. Y. 264 L. Civil Engineering
Wyatt Warner Taylor, PH.B. Yale University 1900	Stamford, Conn. A. Mechanical Engineering
John Martin Telleen, B.A. Augustana College 1898, M.A. Yale University 1902	Rock Island, Ill. 31 1/2 Broadway English
Henry Clarke Thacher, B.A. Yale University 1902	Baltimore, Md. 652 E. D. Physiology and Physiol. Chemistry
Norman Campbell Thorne, B.A. Yale University 1902	Central Valley, N. Y. 131 Dwight st. Mineralogy
Edward Thorstenberg, B.A. Bethany College 1899, M.A. Yale University 1902	Assaria, Kans. 47 N. S. H. German

John Franklin Trumbull, PH.B. Yale University 1902	New London, Conn. 132 Wall st. Civil Engineering
Edwin Hotchkiss Tuttle, B.A. Yale University 1901	New Haven, Conn. 217 Mansfield st. French
Frank Pell Underhill, PH.B. Yale University 1900	Norwalk, Conn. 2 Hillhouse av. Physiology and Physiol. Chemistry
John Albert VanGroos, B.S. Oregon Agricultural College 1899	Eugene, Oregon 133 Main st., Annex Mathematics
Harrison Grow Wagner, PH.B. Yale University 1895	New Haven, Conn. 40 Pearl st. Mineralogy
William Knickerbocker Wallbridge, PH.B. Yale University 1902	Litchfield, Conn. 137 College st. Chemistry
Albert Micajah Webb, B.A. Yale University 1901	Bell Buckle, Tenn. 122 Howe st. French
Richard Webb, B.A. Trinity College (Durham, N. C.) 1900	Durham, N. C. 1157 Chapel st. English
Wilhelmus David Allen Westfall, B.A. Yale University 1901	Montague, N. J. 43 Hotchkiss st. Mathematics
George Benjamin White, PH.B. Yale University 1900	Cooperstown, N. Y. 667 W. D. Physiology and Physiol. Chemistry
George Reber Wieland, B.S. Pennsylvania State College 1893, PH.D. Yale University 1900	Chester, Pa. M. Natural Science
Richard Solomon Williams, B.S. Amherst College 1902	Glastonbury, Conn. 646 E. D. Chemistry
Robert Bruce Wilson, B.A. Yale University 1901	Portland, Oregon 182 Mansfield st. Mineralogy and Botany
De Winter, B.L. University of California 1892, M.A. Harvard University 1894	Berkeley, Cal. 59 Wall st. English
Andrew Lincoln Winton, PH.B. Yale University 1884	New Haven, Conn. 136 Canner st. Botany and Chemistry
Benjamin Mead Wright, B.D. Yale University 1897	Orange, Conn. Orange English

[Students marked "A" are candidates for the degree of Master of Science, Mechanical Engineer or Civil Engineer, who, having had one year of resident graduate study, are now pursuing courses of study in absence under the direction of the Faculty.]

## SENIOR CLASS

Charles Frederic Alexander	<i>Honolulu, H. I.</i>	120 College st.
Edward Clay Anderson	<i>Chester, Pa.</i>	120 College st.
Irving Atwater Andrew	<i>Orange, Conn.</i>	Orange
Brent Arnold, Jr.	<i>Cincinnati, O.</i>	131 Grove st.
Edward Kazlitt Arvine	<i>New Haven, Conn.</i>	1169 Chapel st.
William Travis Ayer	<i>Saybrook, Conn.</i>	8 Prospect pl.
Robert Williams Ayres	<i>Cincinnati, O.</i>	120 College st.
Courtlandt Woodruff Babcock	<i>Stonington, Conn.</i>	111 Grove st.
Arthur Whittemore Bacon	<i>New Britain, Conn.</i>	17 Hillhouse av.
Ernest Mead Baker	<i>Detroit, Mich.</i>	111 Grove st.
William Cyrus Bates, B.S.	<i>Lincoln, Ill.</i>	113 Wall st.
Lincoln University 1901		
James Madison Bayles	<i>Port Jefferson, N. Y.</i>	114 High st.
Fred Berkeley Beardsley	<i>New Haven, Conn.</i>	41 Howe st.
Harry Edward Benham	<i>New Haven, Conn.</i>	142 Greene st.
Carlton Thomas Bishop	<i>Avon, Conn.</i>	114 High st.
John Eugene Black	<i>Bridgeport, Conn.</i>	114 High st.
William Joel Blatchley	<i>New Haven, Conn.</i>	219 Blatchley av.
Hugh Wick Bonnell	<i>Youngstown, O.</i>	88 Wall st.
Charles Rowland Bostwick	<i>New Haven, Conn.</i>	220 Lawrence st.
William Gates Bourn, B.A.	<i>Yonkers, N. Y.</i>	130 Wall st.
Yale University 1902		
Vasa Kirby Bracher	<i>New York City</i>	17 Hillhouse av.
Reginald Waldo Brixey	<i>Seymour, Conn.</i>	96 Wall st.
Charles Clark Brown	<i>New Haven, Conn.</i>	258 Franklin st.
Douglas Lord Bryant	<i>West Haven, Conn.</i>	122 Wall st.
Clifford Lewis Buckingham	<i>Ansonia, Conn.</i>	140 Howe st.
Raymond Burnham	<i>Chicago, Ill.</i>	96 Wall st.
Courtney Burton	<i>Massillon, O.</i>	131 Grove st.
George Washington Carpenter	<i>New York City</i>	131 Grove st.
George Frederic Chatfield	<i>New Haven, Conn.</i>	268 Humphrey st.
Horace Washburn Chittenden	<i>Washington, D. C.</i>	133 College st.
Sheldon Lewis Church	<i>Middletown, Conn.</i>	52 Grove st.
Winthrop Alexander Clark	<i>Cincinnati, O.</i>	113 Wall st.
William Wallace Clark, Jr.	<i>Castleton, Vt.</i>	128 Wall st.
Fred Edson Clerk	<i>Newark, N. J.</i>	Yale Hall, Franklin st.
Oliver Eugene Closson	<i>Meriden, Conn.</i>	119 Grove st.
Ralston Roberts Coffin	<i>New York City</i>	131 Grove st.
Allan Frederick Cohn	<i>New York City</i>	110 Wall st.
Lewis Bridgeman Comstock	<i>East Hartford, Conn.</i>	130 Wall st.
Frederic Lucius Copeland	<i>Harrisburg, Pa.</i>	120 College st.



Bradford Milton Couch	<i>Nyack, N. Y.</i>	113 Wall st.
Charles Kittredge Crane	<i>Dalton, Mass.</i>	131 Grove st.
Robert Newton Crankshaw	<i>Akron, O.</i>	147 Dwight st.
Haroutune Mugurdich Dadourian	<i>Tarsus, Asia Minor</i>	53 Prospect st.
Vahram Edward Davoud	<i>Hartford, Conn.</i>	128 High st.
Frederick Stoever Dickson, 2d	<i>Philadelphia, Pa.</i>	133 College st.
Edward Alexander Downey	<i>New York City</i>	137 College st.
Arthur Dwyer	<i>New Hartford, Conn.</i>	52 Grove st.
Alexander Morse Earle	<i>Brooklyn, N. Y.</i>	131 Grove st.
Randall Wade Everett	<i>Cleveland, O.</i>	88 Wall st.
William Ewing	<i>Morristown, N. J.</i>	131 Grove st.
Charles Maximilian Fleischmann	<i>New York City</i>	125 High st.
Douglas Warner Franchot	<i>Olean, N. Y.</i>	131 Grove st.
Charles Ingersoll Gause	<i>Wilmington, Del.</i>	88 Wall st.
William Henry Gelshenen, Jr.	<i>New York City</i>	131 Grove st.
Prescott Morrill Greene	<i>Peace Dale, R. I.</i>	120 College st.
Perry Dean Gribben	<i>St. Paul, Minn.</i>	120 College st.
Thomas Hurst Guffey	<i>Pittsburg, Pa.</i>	111 Grove st.
Malcolm Canmore Guthrie	<i>Wilkes-Barré, Pa.</i>	133 College st.
George Philip Henry	<i>Chicago, Ill.</i>	17 Hillhouse av.
Warren Gray Higgins	<i>Columbus, O.</i>	120 College st.
Charles Barnes Hoadley	<i>Branford, Conn.</i>	Branford
Arthur Edwin Hodgson	<i>New Haven, Conn.</i>	8 University pl.
Herman Albert Hoster	<i>Columbus, O.</i>	116 High st.
Howard LeRoy Hutchinson	<i>Branford, Conn.</i>	Branford
Chester Euclid Ingraham	<i>Bristol, Conn.</i>	677 W. D.
Reginald Jackson	<i>Kennett Square, Pa.</i>	96 Wall st.
Charles Sterling Judson	<i>Ansonia, Conn.</i>	86 Wall st.
Cyrus Hamilton Kendall	<i>Norfolk, Conn.</i>	692 W. D.
Howard Camberne Kirkwood	<i>New Haven, Conn.</i>	272 Orchard st.
Seth Sidney Langley	<i>New Haven, Conn.</i>	229 Blatchley av.
William Albert Lilley, Jr.	<i>Passaic, N. J.</i>	677 W. D.
Edwin Morehouse Lines	<i>New Haven, Conn.</i>	221 Wooster st.
Milton Charles Loeb	<i>New Haven, Conn.</i>	129 St. John st.
Nathan Mears Mackay	<i>Chicago, Ill.</i>	131 Grove st.
Seth Marshall	<i>Duluth, Minn.</i>	82 Wall st.
Anthony Mendoza	<i>New York City</i>	88 Wall st.
George Albert Menge	<i>Philadelphia, Pa.</i>	114 High st.
Harry James Mold	<i>Blossburg, Pa.</i>	27 High st.
Charles Earl Moore	<i>Chicago, Ill.</i>	96 Wall st.
George Baker Morris	<i>Pittsburg, Pa.</i>	88 Wall st.
Theodore Hugh Nevin	<i>Sewickley, Pa.</i>	131 Grove st.
Ridgely Nicholas	<i>Babylon, L. I., N. Y.</i>	131 Grove st.
Charles Arthur Norton	<i>Middletown Spr., Vt.</i>	126 Wall st.

Thomas Ambrose O'Keefe  
 Chauncey O'Neil  
 Robert Hemingway Parker  
 John Benjamin Porteous  
 Harrison Prindle  
 Edward Hamilton Prior  
 Rodney Procter  
 Mortimer William Rice  
 Lewis Martin Richmond  
 Alfred Newton Robbins  
 Joseph Henry Rosenberg  
 Cyril Charles Sanders  
 Henry Ellsworth Sanford  
 Abraham Kohn Selz  
 Morgan Kenmouth Smith  
 Edward Billings Spalding  
 George Phelps Spencer  
 Ralph Edward Stephens  
 Paul Perry Stewart, C.E.

Ohio State University 1902

Edward Augustus Stillman  
 Edmund Hutchinson Strong  
 Albert Herman Stursberg  
 John Emet Sweet  
 Evan Barker Thomas  
 David Pearson Thompson  
 Chester Dudley Tripp  
 Charles Henry Turkington  
 Alfred Tweedy  
 Clyde Edward Vance  
 Alan Zook VanNatta  
 Harold Loveridge Vedder  
 Lewis Vincent  
 Horatio Watson Wales  
 Frank Atwater Ward  
 George Adams Watson  
 Frank Griffiths Webster  
 Luther Cornelius Weeks, B.S.

Bethany College 1900

Harlan Hilliard White  
 Louis DeNormandy Willard  
 Leonard Willets Williams  
 Thomas Hilton Williams, Jr.  
 Joseph Hooker Woodward

*New Haven, Conn.* 817 Orange st.  
*Sewickley, Pa.* 131 Grove st.  
*New Haven, Conn.* 561 Quinpiacav.  
*Norwich, Conn.* 96 Wall st.  
*New Britain, Conn.* 122 Wall st.  
*New Britain, Conn.* 126 Wall st.  
*New York City* 17 Hillhouse av.  
*Scranton, Pa.* 117 Wall st.  
*Flushing, N. Y.* 111 Grove st.  
*Norwood, Mass.* 114 High st.  
*Cleveland, O.* 363 Orchard st.  
*Montclair, N. J.* 111 Grove st.  
*New Haven, Conn.* 30 Dwight st.  
*Chicago, Ill.* 104 Wall st.  
*Morristown, N. J.* 125 High st.  
*New Haven, Conn.* 17 Hillhouse av.  
*Watertown, N. Y.* 133 College st.  
*Maquoketa, Iowa* 126 High st.  
*Youngstown, O.* 59 Dixwell av.

*Hartford, Conn.* 137 College st.  
*Chicago, Ill.* 17 Hillhouse av.  
*Bernardsville, N. J.* 111 Grove st.  
*Montrose, Pa.* 114 Wall st.  
*Morristown, N. J.* 137 College st.  
*Chicago, Ill.* 131 Grove st.  
*Chicago, Ill.* 96 Wall st.  
*Morris, Conn.* 82 Wall st.  
*New York City* 117 Wall st.  
*Ansonia, Conn.* Ansonia  
*St. Joseph, Mo.* 126 Wall st.  
*Buffalo, N. Y.* 131 Grove st.  
*Rockford, Ill.* 53 Prospect st.  
*Massillon, O.* 131 Grove st.  
*New Haven, Conn.* 139 College st.  
*Indianapolis, Ind.* 114 High st.  
*Buffalo, N. Y.* 96 Wall st.  
*Lindsborg, Kans.* 8 Prospect pl.

*Manchester, Conn.* 17 Hillhouse av.  
*Allegheny, Pa.* 125 High st.  
*Belmont, N. Y.* 120 College st.  
*Jersey City, N. J.* 113 Wall st.  
*Hartford, Conn.* 128 High st.

## JUNIOR CLASS

Ebben Smith Allen	<i>New Haven, Conn.</i> 73 Kensington st.
Howard Brewer Allen	<i>Enfield, Conn.</i> 117 Wall st.
Reuben B. Azhderian	<i>Marsovan, Asia Minor</i> 227 Crown st.
Frederick Stanwood Bailey	<i>St. Paul, Minn.</i> 1 Hillhouse av.
Norris Pitcairn Ballou	<i>Denver, Colo.</i> 96 Wall st.
Seth Arden Bardwell	<i>Castalia, O.</i> 337 Orange st.
Robert Vail Barkalow	<i>Denver, Colo.</i> 96 Wall st.
Mortimer Barnes	<i>Ridgefield Park, N. J.</i> 111 Grove st.
William Henry Barnum	<i>Mamaroneck, N. Y.</i> 1 Hillhouse av.
William Felton Barrett	<i>Chicago, Ill.</i> 96 Wall st.
Lindon Wallace Bates, Jr., PH.B. Yale University 1902	<i>Chicago, Ill.</i> 17 Hillhouse av.
Harold Kenney Beach	<i>Seymour, Conn.</i> 137 Dwight st.
Sidney Henry Benjamin	<i>Milwaukee, Wisc.</i> 110 Wall st.
Eugene Bristol Bennett	<i>New Haven, Conn.</i> 133 Wall st.
Alfred Benson	<i>Chicago, Ill.</i> 17 Hillhouse av.
Joseph Bernstein	<i>New Haven, Conn.</i> 16 Dow st.
James Porter Kirkman Berry	<i>Nashville, Tenn.</i> 117 Wall st.
Joseph McBath Bettes	<i>Paris, Tex.</i> 17 Hillhouse av.
Robert Studebaker Binkerd	<i>Brooklyn, N. Y.</i> 668 W. D.
Lebbeus Farmer Bissell	<i>Rockville, Conn.</i> 1 Hillhouse av.
Frank Laughton Black	<i>Bridgeport, Conn.</i> 78 Lake pl.
Thomas Blagden, Jr.	<i>Washington, D. C.</i> 133 College st.
Clarence Moore Blair	<i>New Haven, Conn.</i> 14 Gilbert av.
Henry Teegarden Bradley	<i>La Porte, Ind.</i> 133 College st.
Maurice Sheldon Brandt	<i>Walton, N. Y.</i> 686 W. D.
Jules Rowley Breuchaud	<i>Yonkers, N. Y.</i> 119 Wall st.
Bradford Brinton	<i>La Salle, Ill.</i> 1 Hillhouse av.
William James Brundred	<i>Oil City, Pa.</i> 118 College st.
Carl Herbert Bryant	<i>Independence, Mo.</i> 132 Wall st.
Raymond Uhler Bunker	<i>Yonkers, N. Y.</i> 132 Wall st.
Henry Edwards Burgess	<i>New Haven, Conn.</i> 274 Dixwell av.
George Tikiöb Bush	<i>West Haven, Conn.</i> 191 Elm st.
Ralph Arthur Brown	<i>Silver Creek, N. Y.</i> 57 Prospect st.
Harry Elmer Candee	<i>New Haven, Conn.</i> 74 Dixwell av.
Gustave William Carlton	<i>Ludlow, Pa.</i> 153 Dwight st.
Ralph Clatworthy Carroll	<i>New York City</i> 17 Hillhouse av.
Robert Rensselaer Chamberlain	<i>New Haven, Conn.</i> 17 Hillhouse av.
Frederick William Charles	<i>Chicago, Ill.</i> 19 Wall st.
George Arthur Childs	<i>Brattleboro, Vt.</i> 131 High st.
John Michael Clancey	<i>New Haven, Conn.</i> 258 Chapel st.

Charles Benjamin Clark	<i>Neenah, Wisc.</i>	111 Grove st.
Webster Kimball Clark	<i>Wethersfield, Conn.</i>	132 Wall st.
Chauncey Houston Clements	<i>New Haven, Conn.</i>	Yale & Maltby avs.
Lowell Melcher Clucas	<i>Fairfield, Conn.</i>	1 Hillhouse av.
Oatley Barrett Cockrum	<i>Indianapolis, Ind.</i>	111 Grove st.
George Cook, Jr.	<i>Ore Hill, Conn.</i>	133 College st.
George Greer Coolidge	<i>East Orange, N. J.</i>	111 Grove st.
William Reynolds Coon	<i>Mt. Vernon, N. Y.</i>	119 Wall st.
Lothrop Crosby	<i>St. Joseph, Mo.</i>	122 Wall st.
Parker Hale Cunningham	<i>New Castle, Pa.</i>	82 Wall st.
Joseph Curtis	<i>Rochester, N. Y.</i>	105 College st.
Marcus Daly	<i>Anaconda, Mont.</i>	111 Grove st.
Richard Floyd Darsie	<i>Sewickley, Pa.</i>	135 College st.
John Starr DeForest	<i>Auburndale, Mass.</i>	333 York st.
Edward Adams Deming	<i>Hartford, Conn.</i>	132 Wall st.
Sherman Lawrence Depew	<i>Detroit, Mich.</i>	135 College st.
Albert Hovey Dickinson	<i>Omaha, Nebr.</i>	131 High st.
John Maury Dove, Jr.	<i>Washington, D. C.</i>	117 Wall st.
Lawrence Boardman Dunham	<i>Boston, Mass.</i>	111 Grove st.
Newell Avery Eddy, Jr.	<i>Bay City, Mich.</i>	105 College st.
Louis Henry Egan	<i>Savannah, Ga.</i>	17 Hillhouse av.
Augustus Hull Elliot	<i>New Haven, Conn.</i>	206 Orchard st.
George Orton Elmore	<i>Litchfield, Conn.</i>	132 Wall st.
Henry Bridges Endicott	<i>Paoli, Pa.</i>	311 York st.
Benjamin Tappen Fairchild	<i>New York City</i>	96 Wall st.
Malcolm Farmer	<i>Boston, Mass.</i>	1 Hillhouse av.
John Farson, Jr.	<i>Oak Park, Ill.</i>	1 Hillhouse av.
Henry Franklin Fellows	<i>Ansonia, Conn.</i>	137 Dwight st.
Henry Lee Ferguson	<i>New York City</i>	133 College st.
Albert Conro Fiero	<i>Joliet, Ill.</i>	82 Wall st.
Frank Richard Finch	<i>Auburn, N. Y.</i>	674 W. D.
Henry Baldwin Fischer	<i>New York City</i>	131 High st.
Marion Hatch Fisher	<i>Jamestown, N. Y.</i>	66 Wall st.
Jonathan Whitehouse Freeman	<i>Troy, N. Y.</i>	117 Wall st.
Wilson Henry Gardner	<i>Columbus, O.</i>	96 Wall st.
Owen Austin Garnsey	<i>New York City</i>	82 Wall st.
William August Geiger	<i>New Haven, Conn.</i>	50 Foster st.
Edgar Toll Glass	<i>Syracuse, N. Y.</i>	1 Hillhouse av.
Walter Aiken Godcharles	<i>Milton, Pa.</i>	117 Wall st.
Henry Fay Grant	<i>Franklin, Pa.</i>	82 Wall st.
William Alexander Griffin	<i>Buffalo, N. Y.</i>	110 Wall st.
Ely Griswold	<i>Eric, Pa.</i>	133 College st.
Alva Cummings Hall	<i>New Haven, Conn.</i>	6 Pearl st.
Edwin Augustus Hall	<i>Dansville, N. Y.</i>	133 College st.

Howard Sherwin Hamlin  
 Reginald Holbrook Hardin  
 Edward Keasley Hardy  
 George Simpson Harmount  
 Fred Merritt Harris  
 William Henry Harrison  
 Douglas R. Hartshorne  
 George Sharpe Hasbrouck  
 Ralph Emerson Hasenwinkle  
 Louis Edward Heady  
 Frederick William Heyl  
 Edgar Goodspeed Hill  
 William Caspar Horn, Jr.  
 Edward Ford Howard  
 John Joseph Howard  
 Edward James Hutchins  
 Robert Maxwell Ingham  
 Charles Murdock Jamieson  
 Howard Sheffield Jeck  
 Francis Edgar Johnson, Jr.  
 Irwin Simpson Jourdan  
 Claude Roy Kendall  
 Edwin Stearns Kent  
 Walter Boardman Kerr  
 James Perin Kineon  
 George Britton Kinne  
 Morris Knapp  
 Harold Knight  
 Yenoik Hagope Koayumjian  
 Geoffrey Josiah Letchworth  
 Herman LaMott Levvy  
 Louis Henry Levy  
 Oscar Allen Lewisohn  
 Walter Loewith  
 Charles Bomberger Long  
 Joseph Edwin Lowes, Jr.  
 Vreelandt Bennett Lyman  
 Guy Henry Mallam, Jr.  
 John Pearce Manning  
 Orson H. Marchant  
 Ulric Brower Mather  
 David Henry Miller  
 Harold Bourne Miller

*Elgin, Ill.* 131 Grove st.  
*Evanston, Ill.* 82 Wall st.  
*Evanston, Ill.* 133 College st.  
*Pine Orchard, Conn.* 98 Howe st.  
*Chadron, Nebr.* 96 Wall st.  
*Cincinnati, O.* 1 Hillhouse av.  
*New York City* 17 Hillhouse av.  
*New York City* 82 Wall st.  
*St. Paul, Minn.* 1 Hillhouse av.  
*Milford, Conn.* Milford  
*New Haven, Conn.* 106 Wooster st.  
*Buffalo, N. Y.* 119 Wall st.  
*East Orange, N. J.* 82 Wall st.  
*Montclair, N. J.* 17 Hillhouse av.  
*New Haven, Conn.* 162 Saltonstall av.  
*New Haven, Conn.* 192 Division st.  
*Philadelphia, Pa.* 133 College st.  
*Bridgeport, Conn.* Bridgeport  
*Nashville, Tenn.* 131 High st.  
*East Orange, N. J.* 111 Grove st.  
*Branford, Conn.* Branford  
*Norfolk, Conn.* 692 W. D.  
*Providence, R. I.* 119 Wall st.  
*Washington, D. C.* 117 Wall st.  
*Cincinnati, O.* 137 College st.  
*Brooklyn, N. Y.* 82 Wall st.  
*East Orange, N. J.* 120 College st.  
*Middletown, N. Y.* 111 Grove st.  
*New Britain, Conn.* 322 George st.  
*Buffalo, N. Y.* 82 Wall st.  
*New York City* 96 Wall st.  
*New Haven, Conn.* 51½ Washington av.  
*New York City* 86 Wall st.  
*Bridgeport, Conn.* 126 Wall st.  
*Lancaster, Pa.* 133 College st.  
*Dayton, O.* 17 Hillhouse av.  
*Buffalo, N. Y.* 110 Wall st.  
*Kansas City, Mo.* 119 Wall st.  
*New York City* 17 Hillhouse av.  
*W. Redding, Conn.* 133 Wall st.  
*Miami, Fla.* 354 Humphrey st.  
*Cannon, Conn.* 133 Wall st.  
*New York City.* 133 College st.

Arthur Josiah Mills  
 Judson Mather Minor  
 Philip Henry Mitchell  
 William James Mitchell  
 Edward Small Moore  
 Edward Eugene Moran  
 John Mansfield Morse  
 John Bingham Naething  
 Henry Herman Nagel  
 Ralph Cutler Needham  
 William John O'Meara  
 Herbert James Ord  
 John Eliot Overlander  
 John Taylor Oxley, B.A.

Coe College 1902

Leigh Page  
 Edgar Kirk Parker, Jr.  
 Stuart Wilson Parsons  
 Robert Dun Patterson  
 Walter Valentine Peck  
 Clarence Curtiss Perry  
 Birdseye Blakeman Pierpont  
 Claude Pinney  
 Frank Wesley Pitman  
 James Chandler Preston  
 Alfred Coxe Prime  
 Edward Hall Putnam  
 Charles Donnelly Rafferty  
 Robert Wright Read  
 Charles Joseph Redshaw  
 William Handy Reeves, Jr.  
 William Stuart Reyburn  
 Edward Ellis Pierpont Roberts  
 Selden Emmett Rockwell  
 Homer Angelo Rogers  
 Henry Luke Rowland  
 Frederic Behrens Ryan  
 Arthur Estcourt Sawyer  
 Evander Baker Schley  
 Clarence Maurice Schultz  
 Walter Howard Seagrave  
 Harold Coe Selden  
 Edward Joseph Shanley

*Pittsfield, Mass.* 96 Wall st.  
*New Haven, Conn.* 10 Vernon st.  
*South Britain, Conn.* 126 Wall st.  
*New Haven, Conn.* 191 Dewitt st.  
*New York City* 1 Hillhouse av.  
*Hartford, Conn.* 114 High st.  
*New Haven, Conn.* 204 York st.  
*New York City* 114 High st.  
*Clinton, Conn.* 363 Orchard st.  
*Monson, Mass.* 119 Wall st.  
*New Haven, Conn.* 261 W. Carlisle st.  
*Yonkers, N. Y.* 122 Wall st.  
*New Haven, Conn.* 60 Asylum st.  
*Marion, Iowa* 277 Crown st.  
  
*Oakland, N. J.* 135 Wall st.  
*New Haven, Conn.* 311 George st.  
*New Britain, Conn.* 119 Wall st.  
*Dayton, O.* 82 Wall st.  
*Chicago, Ill.* 119 Wall st.  
*New Britain, Conn.* 122 Wall st.  
*Rockford, Ill.* 82 Wall st.  
*Stafford, Conn.* 137 College st.  
*New Haven, Conn.* 119 Gilbert av.  
*Davenport, Iowa* 119 Wall st.  
*Philadelphia, Pa.* 82 Wall st.  
*New York City* 133 College st.  
*Pittsburg, Pa.* 131 Grove st.  
*Bridgeport, Conn.* 82 Wall st.  
*Ansonia, Conn.* 124 Wall st.  
*Philadelphia, Pa.* 1 Hillhouse av.  
*Washington, D. C.* 133 College st.  
*New Haven, Conn.* 110 Greene st.  
*New Haven, Conn.* 119 Wall st.  
*New York City* 111 Grove st.  
*Setauket, N. Y.* 114 High st.  
*New York City* 96 Wall st.  
*New York City.* 420 Temple st.  
*New York City* 111 Grove st.  
*Summit, N. J.* 118 College st.  
*Toledo, O.* 126 Wall st.  
*Chester, Conn.* 82 Whalley av.  
*New Haven, Conn.* 249 Hamilton st.

Horace Shepard	<i>Mobile, Ala.</i>	118 College st.
Adelbert Arthur Skeel	<i>Freeport, Ill.</i>	128 Wall st.
Robert Sumner Skemp	<i>Scottdale, Pa.</i>	333 York st.
Erskine Markley Smith	<i>Philadelphia, Pa.</i>	133 College st.
Sidney Goodwin Stubbs	<i>Savannah, Ga.</i>	1 Hillhouse av.
William Sweet Tallman	<i>Cleveland, O.</i>	135 College st.
John Hastings Thomas	<i>West Chester, Pa.</i>	311 York st.
Elbridge Blish Thompson	<i>Seymour, Ind.</i>	111 Grove st.
John Louis Thompson	<i>Stratford, Conn.</i>	277 Crown st.
Louis Warren Thompson	<i>West Haven, Conn.</i>	West Haven
Charles Edward Tocher	<i>Seymour, Conn.</i>	692 W. D.
Harold Townsend	<i>New York City</i>	17 Hillhouse av.
Dwight Wallace Tracy	<i>Hartford, Conn.</i>	133 Wall st.
Edgar Rudolph Troxell, Jr.	<i>West Pittston, Pa.</i>	17 Hillhouse av.
George William Turner	<i>Bridgeport, Conn.</i>	124 Wall st.
Frederick Osgood Tyler	<i>New London, Conn.</i>	124 Wall st.
Louis Frederick Vaile	<i>Denver, Colo.</i>	113 Wall st.
Charles Hinkley VanKirk	<i>Chicago, Ill.</i>	132 Wall st.
George Garretson Wade	<i>Cleveland, O.</i>	82 Wall st.
Henry Relyea Wakeman	<i>Green's Farms, Conn.</i>	130 Wall st.
Thomas Joseph Walsh	<i>Ansonia, Conn.</i>	61 Prospect st.
Albert Cooper Ward	<i>New York City</i>	96 Wall st.
James Johnston Waring	<i>Savannah, Ga.</i>	111 Grove st.
Ernest Charles Webster	<i>Litchfield, Conn.</i>	130 Wall st.
Howard Kennon Welch	<i>Deer Lodge, Mont.</i>	111 Grove st.
Dwight Clark Wheeler	<i>Bridgeport, Conn.</i>	104 Wall st.
Lee Field Whitbeck	<i>Cooperstown, N. Y.</i>	120 College st.
Myron Ames Wick	<i>Youngstown, O.</i>	1 Hillhouse av.
John Charles Williams	<i>New Haven, Conn.</i>	391 Blatchley av.
Joseph Dimock Williams	<i>Rocky Hill, Conn.</i>	322 George st.
Robert William Wilson	<i>New Haven, Conn.</i>	28 Asylum st.
Frank Kingsbury Woodworth	<i>Rochester, N. Y.</i>	137 College st.

JUNIORS, 201.

## FRESHMAN CLASS

Harry Allen Abbe	<i>New Britain, Conn.</i> 409 Temple st.
Sidney Adler	<i>Philadelphia, Pa.</i> 130 Howe st.
Charles Bissell Alcott	<i>Cleveland, O.</i> 397 Temple st.
Harold Graham Alexander	<i>Cleveland, O.</i> 391 Temple st.
John Howard Allison	<i>Tariffville, Conn.</i> 277 Crown st.
Reese Denny Alsop	<i>Brooklyn, N. Y.</i> 110 Wall st.
George Brooks Armstead	<i>West Haven, Conn.</i> West Haven
Noel Armstrong	<i>New York City</i> 122 Wall st.
William Benjamin Arnold	<i>New York City</i> 421 Temple st.
Harry Jaynes Babcock	<i>Tolland, Conn.</i> 1169 Chapel st.
Harrison Eugene Bailey	<i>Derby, Conn.</i> Derby
Russell Trowbridge Bailey	<i>Brooklyn, N. Y.</i> 110 Wall st.
George Hull Baldwin	<i>Savannah, Ga.</i> 133 College st.
Martin Sullivan Baldwin	<i>New York City</i> 110 Wall st.
William McKinley Barber	<i>Canton, O.</i> 126 High st.
Howard DeWitt Barlow	<i>Waterbury, Conn.</i> 126 Wall st.
Blakeslee Barnes, Jr.	<i>New York City</i> 395 Temple st.
John Eliot Barney	<i>Wyoming, O.</i> 110 Wall st.
Clifford Whitman Bates	<i>Cleveland, O.</i> 126 Wall st.
Clifford Ray Beardsley	<i>New Haven, Conn.</i> 152 Temple st.
Frederick Gerhard Becker	<i>Chicago, Ill.</i> 119 Grove st.
Philip Schuyler Beebe	<i>New Haven, Conn.</i> 262 Bradley st.
Max Howell Behr	<i>Morristown, N. J.</i> 405 Temple st.
Charles Alexander Blatchley	<i>New Haven, Conn.</i> 219 Blatchley av.
Harold Patterson Bogart	<i>Wilkes-Barré, Pa.</i> 387 Temple st.
Alger Stedman Bourn	<i>Yonkers, N. Y.</i> 17 Hillhouse av.
Morgan Herbert Bowman, Jr.	<i>Uniontown, Pa.</i> 110 Wall st.
Elisha Franklin Brewster, Jr.	<i>Rochester, N. Y.</i> 387 Temple st.
George Mather Brown	<i>Kirkwood, Mo.</i> 425 Temple st.
Harold Hunter Brown	<i>Portland, Me.</i> 128 High st.
Henry Franklin Brown	<i>New Haven, Conn.</i> 12 Vernon st.
Thomas Gordon Brown	<i>Jamestown, N. Y.</i> 132 Wall st.
Stanley Buffington	<i>Fall River, Mass.</i> 73 Lake pl.
LeRoy Wesley Burns	<i>West Chester, Pa.</i> 287 York st.
Edward Francis Callahan	<i>New Haven, Conn.</i> 171 Chapel st.
Fred Mortimer Carter, Jr.	<i>Wilmington, Mass.</i> 126 High st.
Sydney Hobart Carter	<i>West Newton, Mass.</i> 119 Grove st.
Bruce Cartwright, Jr.	<i>Honolulu, H. I.</i> 397 Temple st.
Guy Louis Chamberlin	<i>Chicago, Ill.</i> 400 Temple st.
Elisha Sterling Chapin, Jr.	<i>Lakeville, Conn.</i> 299 York st.



Louis LeBourgeois Chapin	<i>Lenox, Mass.</i>	110 Wall st.
Worthington Frothingham Chapman	<i>New York City</i>	46 Mansfield st.
Stephen Clark Cheney	<i>Manlius, N. Y.</i>	427 Temple st.
Donald Clark	<i>La Porte, Ind.</i>	407 Temple st.
James Woolslayer Clark	<i>Pittsburg, Pa.</i>	387 Temple st.
James Whitney Clarke	<i>Derby, Conn.</i>	Derby
Detos Marquis Coen	<i>Rensselaer, Ind.</i>	57 Prospect st.
John Drewry Comer	<i>Savannah, Ga.</i>	413 Temple st.
Joseph Warren Cone	<i>Norfolk, Conn.</i>	663 W. D.
Arthur Irving Cook	<i>Waterbury, Conn.</i>	46 Elm st.
Charlton Dows Cooksey	<i>Palo Alto, Cal.</i>	90 Wall st.
Darrah Corbet	<i>Brookville, Pa.</i>	311 York st.
Howard Corlies	<i>Brooklyn, N. Y.</i>	90 Wall st.
Kerr Murray Cressler	<i>Fort Wayne, Ind.</i>	110 Wall st.
Edward Cornelius Crowley	<i>New Haven, Conn.</i>	63 Liberty st.
Walter Frank Cudlipp	<i>New Haven, Conn.</i>	79 Pearl st.
John James Culbertson, Jr.	<i>Paris, Tex.</i>	411 Temple st.
Grey Willis Curtiss	<i>New Haven, Conn.</i>	153 Olive st.
James Bond Curtiss	<i>Fort Erie, Ont.</i>	590 P.
Edward Maynard Dalley	<i>New York City</i>	124 Wall st.
John Greenleaf Darragh	<i>San Antonio, Tex.</i>	397 Temple st.
Darlington Davenport	<i>Minneapolis, Minn.</i>	409 Temple st.
Watson Beach Day	<i>Hartford, Conn.</i>	393 Temple st.
Donald J. Defrees	<i>Chicago, Ill.</i>	409 Temple st.
Henry Dickinson	<i>Chicago, Ill.</i>	391 Temple st.
John Crosson Dilworth	<i>Pittsburg, Pa.</i>	395 Temple st.
Stewart Hancock Elliott	<i>New York City</i>	407 Temple st.
Theodore Williams Ely	<i>Elyria, O.</i>	117 Wall st.
Roy Arthur Engleman	<i>DuBois, Pa.</i>	7 Library st.
Frederick Berthold Ewing	<i>St. Louis, Mo.</i>	413 Temple st.
George Richard Fansett	<i>New Haven, Conn.</i>	109 Chapel st.
Charles Edward Fasser	<i>New Haven, Conn.</i>	14 Baldwin st.
James Roberts Ficklin	<i>Chicago, Ill.</i>	423 Temple st.
Henry Seymour Frank	<i>Baltimore, Md.</i>	387 Temple st.
James Barnard French	<i>Bristol, R. I.</i>	391 Temple st.
John Gilbert George	<i>Watertown, N. Y.</i>	90 Wall st.
Douglas Gibbons	<i>New York City</i>	427 Temple st.
Charles Robert Gordon	<i>Shelton, Conn.</i>	Shelton
John Gordon, Jr.	<i>Paris, Tex.</i>	407 Temple st.
Kenneth Percy Grant	<i>St. Paul, Minn.</i>	421 Temple st.
Robert Gray	<i>Providence, R. I.</i>	119 Wall st.
Hubert Milton Greist	<i>Westville, Conn.</i>	425 Temple st.
James Wilson Hagar	<i>Dalton, Mass.</i>	425 Temple st.
Harold Frederick Hamel	<i>New Haven, Conn.</i>	405 George st.

Douglas Gray Harvey	Cleveland, O.	389 Temple st.
Raymond Havemeyer	Sea Bright, N. J.	397 Temple st.
George Augustus Haven	Chatfield, Minn.	34 Trumbull st.
Stuart Clayton Hemingway	Syracuse, N. Y.	425 Temple st.
David Benchley Henney	Hartford, Conn.	1210 Chapel st.
Wilson Begges Hickox	Cleveland, O.	389 Temple st.
Warren Witherell Hilditch	Thompsonville, Conn.	87 Poplar st.
Ernest Hillman	Pittsburg, Pa.	423 Temple st.
Anthony Howard Hinkle, Jr.	Cincinnati, O.	133 College st.
Henry Willard Hiss	Baltimore, Md.	333 York st.
Leslie George Howard	Malone, N. Y.	413 Temple st.
Grover Cooper Hubbell	Des Moines, Iowa	110 Wall st.
Howard Gillespie Hull	Morristown, N. J.	1 Hillhouse av.
Edward McKinney Hunt	Montclair, N. J.	128 High st.
Fielding Vaughan Jackson	Richmond, Ind.	411 Temple st.
Burgis Deshon Jennings	So. Norwalk, Conn.	126 Wall st.
Edgar Dwight Johnson	Bethany, Conn.	364 Orchard st.
Frederick James Johnson	Norfolk, Conn.	663 W. D.
Edmund Clark Johnston	New London, Conn.	393 Temple st.
Tilghman Erwin Johnston	Wilmington, Del.	413 Temple st.
Arthur Conkling Jones	New York City	82 Wall st.
Carroll William Joslyn	Barton Landing, Vt.	85 Sachem st.
John Patrick Kane, Jr.	New York City	110 Wall st.
Frederick Warren Kay	Pittsburg, Pa.	391 Temple st.
Walter Edmond Keach	Northampton, Mass.	124 Wall st.
Thomas Edward Keating	Springfield, Mass.	13 Lake pl.
Wilhelm Parry Kennard	Boston, Mass.	397 Temple st.
Joseph Walker Kennedy	Pittsburg, Pa.	391 Temple st.
William Dennis Kennedy	New Haven, Conn.	386 Howard av.
George Lincoln King	Wabash, Ind.	391 Temple st.
Ralph Parsons Kinney	Cleveland, O.	119 Grove st.
Frank Walter Klett	New Britain, Conn.	293 York st.
Louis Frederick Knollmeyer	New Haven, Conn.	37 Sylvan av.
Howard Kochersperger	New Haven, Conn.	419 Temple st.
Alexander Rudolf Lawton	Savannah, Ga.	387 Temple st.
John Wallace Leavenworth	Wallingford, Conn.	536 P.
Edward McElhenney Lewis	St. Louis, Mo.	389 Temple st.
Lansing Lewis	New Haven, Conn.	455 George st.
Robert Lindenberg	Columbus, O.	120 High st.
Charles Walter Lobdell	Chicago, Ill.	119 Grove st.
Lacy Marion Love	St. Louis, Mo.	389 Temple st.
Dilworth Richardson Lupton	Pittsburg, Pa.	421 Temple st.
Edgar Drewry Lynch	Rowayton, Conn.	128 Wall st.
Gordon Ferguson Macbeth	Denver, Colo.	113 Wall st.

Wilmer D. McCully	<i>Joseph, Oregon</i>	333 Crown st.
William Scott McKell	<i>Chillicothe, O.</i>	419 Temple st.
Ward McLanahan	<i>Hollidaysburg, Pa.</i>	86 Wall st.
Alexander Scott McLean	<i>Danbury, Conn.</i>	110 Wall st.
Gordon McMillan	<i>Salt Lake City, Utah</i>	405 Temple st.
Howard Page Mansfield	<i>Cleveland, O.</i>	113 Wall st.
Bernard Gilpin Marshall	<i>Duluth, Minn.</i>	407 Temple st.
Shelton Edward Martin	<i>New York City</i>	90 Wall st.
Joseph Mason, Jr.	<i>Philadelphia, Pa.</i>	125 High st.
Hatsuji Mayesawa	<i>Tokyo, Japan</i>	8 Prospect pl.
John Frederick Maynard, Jr.	<i>Utica, N. Y.</i>	393 Temple st.
Harold Burr Meade	<i>Milford, Conn.</i>	297 Ferry st.
Louis Wiegand Mertz	<i>Port Chester, N. Y.</i>	387 Temple st.
George Christian Meyer	<i>New York City</i>	110 Wall st.
Samuel Harold Mills	<i>Greenwich, Conn.</i>	126 High st.
William Bradley Mixter	<i>Rock Island, Ill.</i>	110 Wall st.
Alden Kendrick Morgan	<i>Chicago, Ill.</i>	131 High st.
David McKee Morris	<i>Pittsburg, Pa.</i>	397 Temple st.
Richard Cary Morse, Jr.	<i>Norwich Town, Conn.</i>	55 Trumbull st.
John Gephast Munson	<i>Bellefonte, Pa.</i>	126 Wall st.
Charles Hayward Murphy	<i>Detroit, Mich.</i>	409 Temple st.
Howard Thorne Muzzy	<i>Sewickley, Pa.</i>	391 Temple st.
Perit Coit Myers, Jr.	<i>Hyannisport, Mass.</i>	405 Temple st.
Roland Faxon Mygatt	<i>New Milford, Conn.</i>	393 Temple st.
Herbert Stuart Nelson	<i>New Haven, Conn.</i>	70 Houston st.
Kenneth Charles Ogden	<i>Albany, N. Y.</i>	126 Wall st.
Louis Albert Oldershaw	<i>New Britain, Conn.</i>	333 York st.
Herbert Vincent Olds	<i>Hartford, Conn.</i>	132 Wall st.
Sewall Kemble Oliver	<i>Baltimore, Md.</i>	387 Temple st.
Robert Sanford Osborn	<i>Redding Ridge, Conn.</i>	34 Lynwood pl.
John Elsworth Owsley	<i>Chicago, Ill.</i>	150 Grove st.
Corydon Palmer	<i>New York City</i>	427 Temple st.
Charles Clarke Perkins	<i>Idlewild, N. Y.</i>	293 York st.
Ernest Cephas Platt	<i>Kansas City, Mo.</i>	400 Temple st.
Samuel James Plimpton	<i>Hartford, Conn.</i>	132 Wall st.
Alfred Posner	<i>Baltimore, Md.</i>	110 Wall st.
David Posner	<i>Baltimore, Md.</i>	110 Wall st.
Joseph Cornelius Rathborne	<i>New Orleans, La.</i>	150 Grove st.
Henry Magraw Rathvon	<i>Denver, Colo.</i>	391 Temple st.
Joseph Warden Reid	<i>Ottawa, Kans.</i>	119 Grove st.
Henry Hurd Rennell	<i>Bridgeport, Conn.</i>	110 Wall st.
Edmund Richardson	<i>New Orleans, La.</i>	110 Wall st.
Graham Roberts	<i>Philadelphia, Pa.</i>	110 Wall st.
Harold Milton Roberts	<i>Montclair, N. J.</i>	128 High st.

Charles Custer Rockafellow	<i>Canon City, Colo.</i>	425 Temple st.
Max Roesler	<i>Great Neck, N. Y.</i>	293 York st.
John Theodore Rogers	<i>Sherman, Conn.</i>	333 York st.
Walter Wellington Root	<i>Denver, Colo.</i>	96 Wall st.
John Sutter Ruff	<i>New Haven, Conn.</i>	111 Greene st.
Clarence Horton Sanford	<i>Deposit, N. Y.</i>	233 York st.
Samuel Davis Sarason	<i>New Haven, Conn.</i>	252 Cedar st.
Joseph Martin Schaeffer	<i>Seymour, Conn.</i>	18 Asylum st.
Douglass Satterlee Schenck	<i>Jersey City, N. J.</i>	110 Wall st.
Rudolph Schweizer, Jr.	<i>New York City</i>	68 Mechanic st.
Argyle Reginald Scott	<i>La Crosse, Wisc.</i>	131 High st.
David John Scott	<i>Plainfield, N. J.</i>	135 Wall st.
Harold Neeves Scott	<i>Chicago, Ill.</i>	421 Temple st.
Charles Harvey Scribner	<i>Chicago, Ill.</i>	407 Temple st.
Joseph Alden Sears	<i>Kenilworth, Ill.</i>	110 Wall st.
William Julius Secor	<i>Derby, Conn.</i>	Derby
John Setchell	<i>New Haven, Conn.</i>	218 English st.
Malcom R. Shaw, Jr.	<i>Bridgeport, Conn.</i>	78 Lake pl.
Frederick Leo Shea	<i>New Haven, Conn.</i>	17 Irving st.
Louis Burr Sheldon	<i>New York City</i>	1 Hillhouse av.
Alfred Montgomery Shook	<i>Nashville, Tenn.</i>	395 Temple st.
William Maddock Silleck	<i>New York City</i>	124 Wall st.
Joseph Irving Simmons	<i>Brooklyn, N. Y.</i>	119 Grove st.
William Klein Simpson	<i>New Haven, Conn.</i>	797 Orange st.
Preston Howard Skidmore	<i>Bridgeport, Conn.</i>	419 Temple st.
Charles Howard Smith	<i>Seattle, Wash.</i>	419 Temple st.
George H. Snowdon	<i>Brownsville, Pa.</i>	397 Temple st.
Irving Tritch Snyder	<i>Denver, Colo.</i>	110 Wall st.
Ellbridge Gerry Spaulding	<i>Buffalo, N. Y.</i>	122 Wall st.
Joseph Hawley Spencer	<i>Brooklyn, N. Y.</i>	126 Wall st.
Earle Tappan Stannard	<i>Chittenango, N. Y.</i>	130 Wall st.
Joseph Clayton Stephenson	<i>Menominee, Mich.</i>	110 Wall st.
Daniel MacAulay Stevenson	<i>Sharon, Pa.</i>	395 Temple st.
Louis Tillotson Stevenson	<i>Pittsfield, Mass.</i>	405 Temple st.
Frederic Locke Stone	<i>Worcester, Mass.</i>	55 Clark st.
Harold Augustus Swenarton	<i>Montclair, N. J.</i>	128 High st.
Eric Appleton Swenson	<i>New York City</i>	395 Temple st.
George Gifford Symes	<i>Denver, Colo.</i>	391 Temple st.
Fred Bowers Taylor,	<i>Concord, N. H.</i>	130 Wall st.
Sheldon Perry Thacher	<i>Hartford, Conn.</i>	130 Wall st.
Joseph Dio Thomas	<i>Pittsburg, Pa.</i>	423 Temple st.
Robert P. Thomas	<i>Lansdale, Pa.</i>	46 Elm st.
Benjamin Franklin Tillson	<i>Montclair, N. J.</i>	419 Temple st.
Stevenson Towle, Jr.	<i>Mamaroneck, N. Y.</i>	393 Temple st.

David Brush Trumbull	<i>Concepcion, Chili</i>	413 Temple st.
Douglas Barlow Turner	<i>St. Louis, Mo.</i>	389 Temple st.
Albert Harold Vernam	<i>Morristown, N. J.</i>	125 High st.
Ralph Arthur Voigt	<i>Grand Rapids, Mich.</i>	409 Temple st.
Robert Lester Waite	<i>Hartford, Conn.</i>	126 Wall st.
Harrington Edward Walker	<i>Detroit, Mich.</i>	152 Grove st.
Edward Hall Washburn	<i>New Haven, Conn.</i>	354 Howard av.
Joseph Edwin Washington, Jr.	<i>Wessyngton, Tenn.</i>	419 Temple st.
Elliott Hughes Wendell	<i>Newark, N. J.</i>	82 Wall st.
George Westinghouse, Jr.	<i>Pittsburg, Pa.</i>	110 Wall st.
William Bailey Wheeler	<i>Pawling, N. Y.</i>	44 College st.
Henry Arnold Wheelock	<i>Putnam, Conn.</i>	405 Temple st.
Chester Nathan Whitney	<i>West Boxford, Mass.</i>	85 Sachem st.
Harold LeRoy Whitney	<i>Morristown, N. J.</i>	387 Temple st.
Richard Clement Whittier	<i>West New Brighton, N. Y.</i>	83 Sachem st.
Frederic Ross Wickwire	<i>Cortland, N. Y.</i>	397 Temple st.
Frank Edward Wilhelm	<i>Omaha, Nebr.</i>	86 Wall st.
Charles Roger Williams	<i>Brooklyn, N. Y.</i>	110 Wall st.
Harry Aitken Wilson	<i>New York City</i>	124 Wall st.
Louis Armstrong Wilson	<i>Lakeville, Conn.</i>	299 York st.
Myer Wilson	<i>Kansas City, Mo.</i>	411 Temple st.
Benjamin La Fon Winchell, Jr.	<i>St. Louis, Mo.</i>	110 Wall st.
Carlisle Patterson Winslow	<i>Hartford, Conn.</i>	405 Temple st.
Hillary Marshall Zehnder	<i>Scranton, Pa.</i>	421 Temple st.

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

William Latham Abbott, Jr.	<i>Pittsburg, Pa.</i>	17 Hillhouse av.
Samuel F. Adams, Jr.	<i>New York City</i>	17 Hillhouse av.
Harry Ira Bates	<i>Detroit, Mich.</i>	237 York st.
Charles Schuveldt Dewey	<i>Chicago, Ill.</i>	133 College st.
Wallace Fanshawe Disbrow	<i>Newark, N. J.</i>	117 Wall st.
William Waddell Duke	<i>Kansas City, Mo.</i>	117 Wall st.
Charles Anthony Fulton-Phizenmayer, LL.B.	{ <i>New York City</i>	1151 Chapel st.
Yale University 1901		
Harry Douglas Gilbert	<i>New York City</i>	111 Grove st.
Louis Joseph Gulliver	<i>Portland, Me.</i>	333 York st.
Frederick Garfield Hausman	<i>New Haven, Conn.</i>	85 Asylum st.
Edward L. Himmelman	<i>New York City</i>	333 York st.
Harold Hodge	<i>Buffalo, N. Y.</i>	122 Wall st.
Horace Stevens Howe	<i>Hartford, Conn.</i>	
Otto Glaser Hupfel	<i>Brinckerhoff, N. Y.</i>	126 High st.
William Hoffman Kobbé	<i>St. Paul, Minn.</i>	74 Lake pl.
Arthur Dorland Miles	<i>New Carlisle, Ind.</i>	98 York sq.
George Hiram Nettleton	<i>New Haven, Conn.</i>	46 College st.
John Dennison Nevin	<i>Easton, Pa.</i>	117 Wall st.
Frank Gallagher Noble	<i>Cleveland, O.</i>	96 Wall st.
George Owens Pitzipio	<i>Staten Island, N. Y.</i>	113 Wall st.
Izard Newton Whiteside Raq	<i>Elmsford, N. Y.</i>	111 Grove st.
William Herron Rodd	<i>Pittsburg, Pa.</i>	119 Wall st.
Rector Roderick	<i>Brooklyn, N. Y.</i>	128 Wall st.
John Andrews Savage	<i>Bridgeport, Conn.</i>	124 Wall st.
Robert E. Sheldon, Jr.	<i>Columbus, O.</i>	137 College st.
William Low Studley	<i>Providence, R. I.</i>	17 Hillhouse av.
Blaine Spooner Viles	<i>Skowhegan, Me.</i>	74 Lake pl.
George Harry Wade	<i>Jamestown, N. Y.</i>	119 Wall st.
Herbert Aborn Watson	<i>Boston, Mass.</i>	133 College st.
William Grant Weigle	<i>Bendersville, Pa.</i>	140 Shelton av.
Samuel Parmelee Williams, Jr.	<i>Waterbury, Conn.</i>	133 College st.

SPECIAL STUDENTS, 31.

## STUDENTS FROM OTHER DEPARTMENTS

John Day Ackley	<i>New Milford, Conn.</i>	299 York st.
Louis Horace Arnold	<i>Willimantic, Conn.</i>	277 L.
Seth Weaver Baldwin	<i>Naugatuck, Conn.</i>	176 F.
Joseph Lewi Bendell	<i>Albany, N. Y.</i>	417 B.

Pemberton Berman	<i>New York City</i>	146 F.
Charles Howe Buck	<i>Wethersfield, Conn.</i>	382 WH.
Robert Elmer Chandler	<i>Madura, S. India</i>	376 WH.
Gerald Chittenden	<i>New York City</i>	309 W.
Edwin Clapp	<i>St. Paul, Minn.</i>	346 WH.
Eliot Round Clark	<i>Wethersfield, Conn.</i>	143 F.
James Ryle Coffey	<i>New Haven, Conn.</i>	73 S. M.
Maurice Sherman Damon	<i>Honolulu, H. I.</i>	10 V.
Willard Joseph Denno	<i>Castleton, Vt.</i>	465 FW.
Everett Dominick	<i>New York City</i>	320 W.
Walter Landon Douglass	<i>New London, Conn.</i>	389 B.
Herbert William Eales	<i>Bridgeport, Conn.</i>	72 S. M.
George Barnett Everts	<i>Salisbury, Conn.</i>	1081 Chapel st.
George Merrill Gelser	<i>Webster, N. Y.</i>	377 WH.
Frank Cameron Gilbert	<i>Brooklyn, N. Y.</i>	378 WH.
George Burton Gilbert	<i>Thomaston, Conn.</i>	224 D.
Charles Douglass Green	<i>New York City</i>	50 V.
John Francis Hackett	<i>Meriden, Conn.</i>	Meriden
George Sinclair Hurst	<i>New York City</i>	435 FW.
William Lorne Irvine	<i>Poplar Point, Manitoba</i>	342 WH.
Donald Kent Johnston	<i>New York City</i>	459 FW.
Walter Irving King	<i>Thompsonville, Conn.</i>	295 W.
Dudley Payne Lewis	<i>Springfield, Mass.</i>	28 V.
Harold Marwick Meech	<i>Middletown, Conn.</i>	352 WH.
Ralph Hill Melcer	<i>Sonora, Mexico</i>	28 V.
John Milton Miller	<i>Bridgeport, Conn.</i>	72 S. M.
Frank Wood Moore	<i>Elizabeth, N. J.</i>	43 V.
Ralph Howard Nesmith	<i>Brooklyn, N. Y.</i>	458 FW.
Paul Sprague Ney	<i>Hartford, Conn.</i>	310 W.
George Elwood Nichols	<i>Saco, Me.</i>	158 F.
Arthur Nilsen	<i>New York City</i>	384 B.
Alexander Holley Olmsted	<i>Lakeville, Conn.</i>	75 S. M.
Charles Seymour Parsons	<i>Akron, O.</i>	24 V.
David Lindsey Randall	<i>Athol Centre, Mass.</i>	81 S. M.
Harry Albert Rightmire	<i>Fairport, N. Y.</i>	215 D.
Carleton Ferriss Rowell	<i>St. Louis, Mo.</i>	367 WH.
Lewis Albert Sayre	<i>New York City</i>	49 V.
Laurence Selling	<i>Portland, Oregon</i>	406 B.
George Arthur Smith	<i>Hartford, Conn.</i>	96 S. M.
Wirt Foster Smith	<i>Chicago, Ill.</i>	253 L.
Willard Burr Soper	<i>Bloomington, Ill.</i>	310 W.
Ralph Griffiths Stillman	<i>Rahway, N. J.</i>	5 V.
Jeremiah Barrett Sullivan	<i>New Haven, Conn.</i>	245 Washington av.
Harlan Couch Taylor	<i>Middletown, Conn.</i>	389 B.

William Kenney Terriberry	<i>Somerville, N. J.</i>	5 v.
Chauncey Edwards Treadwell	<i>Flushing, N. Y.</i>	255 L.
Fred Brown Utley	<i>Gloversville, N. Y.</i>	375 WH.
Arthur Woodward Warner	<i>Torrington, Conn.</i>	223 D.
John Richards White	<i>Providence, R. I.</i>	47 v.
Frederick Holme Wiggin, Jr.	<i>Litchfield, Conn.</i>	8 v.

STUDENTS FROM OTHER DEPARTMENTS, 54

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SUMMARY

GRADUATES . . . . .	140
SENIORS . . . . .	125
JUNIORS . . . . .	201
FRESHMEN . . . . .	241
SPECIAL STUDENTS . . . . .	31
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TOTAL . . . . .	738
STUDENTS FROM OTHER DEPARTMENTS . . . . .	54
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TOTAL UNDER INSTRUCTION . . . . .	792



# YALE SCHOOL OF THE FINE ARTS

## REGULAR STUDENTS

Robert Wesley Amick	<i>Canon City, Col.</i>	297 George st.
Frederick Cleveland Bock	<i>Meriden, Conn.</i>	231 York st.
Halbert Hains Britan, B.A. } Hanover College 1898	<i>Hanover, Ind.</i>	1136 Chapel st.
Alice LaBord Brereton	<i>New Haven, Conn.</i>	8 Baldwin pl.
Amy Robertson Brown	<i>New Haven, Conn.</i>	1193 Chapel st.
Lilias Lorene Burton	<i>New Haven, Conn.</i>	138 York st.
M. B. Butler	<i>Bridgeport, Conn.</i>	Bridgeport
Mollie Cashen	<i>Meriden, Conn.</i>	Meriden
Angelo P. F. Cioffi	<i>New Haven, Conn.</i>	271 Water st.
Robert C. Dobson	<i>Peacedale, R. I.</i>	100 Howe st.
Katharine Panet Hastings	<i>New Haven, Conn.</i>	248 Bradley st.
Waldemar Conrad Hirschfeld	<i>Meriden, Conn.</i>	668 W. D.
Burton Albert Hotchkiss	<i>Shelton, Conn.</i>	Shelton
Annie S. Johnson	<i>New Haven, Conn.</i>	374 Grand av.
George Robert Kelsey	<i>West Haven, Conn.</i>	West Haven
J. Louis King	<i>West Haven, Conn.</i>	West Haven
Albert Lohman	<i>Meriden, Conn.</i>	Meriden
Mabel Finetta Loomis	<i>New Haven, Conn.</i>	79 Cottage st.
Huc Mazelet Luquiens, B.A. } Yale University 1902	<i>New Haven, Conn.</i>	201 Bishop st.
Wallace D. McBeath	<i>New Haven, Conn.</i>	105 Edgewood av.
Grace Louise Mossman	<i>New Haven, Conn.</i>	475 Orange st.
Ethel Stannard Norton	<i>Wallingford, Conn.</i>	Wallingford
Madeleine Proper	<i>Glencoe Mills, N. Y.</i>	277 Crown st.
Bessie Pitcher Scribner	<i>Bridgeport, Conn.</i>	Bridgeport
Franklin Victory Sikes, B.A. } Yale University 1900	<i>Suffield, Conn.</i>	265 L.
August Spaenkuch	<i>New Haven, Conn.</i>	170 Commerce st.
Bertha H. Tomlinson	<i>Milford, Conn.</i>	Milford
Minnie Mansfield Walker	<i>New Haven, Conn.</i>	162 York st.
*Alice Hull Wetmore	<i>Winsted, Conn.</i>	A.

REGULAR STUDENTS, 29

\*Holder of the William Wirt Winchester Fellowship.

## STUDENTS FROM OTHER DEPARTMENTS

Theodore Andrews	<i>Albany, N. Y.</i>	433 FW.
Arthur George Blaisdell	<i>Goffstown, N. H.</i>	410 B.
William Alexander Blount	<i>Pensacola, Fla.</i>	49 V.
Thomas Marshall Howe Brown	<i>Pittsburg, Pa.</i>	15 V.
Erwin Calmer	<i>Joliet, Ill.</i>	339 WH.
Frank Burnham Chapman	<i>Auburn, N. Y.</i>	27 V.
Russell Cheney	<i>South Manchester, Conn.</i>	309 W.
George Palmer Christian	<i>Richmond, Va.</i>	314 W.
Howard Wadsworth Church	<i>Meriden, Conn.</i>	328 W.
Allen Thomas Clement	<i>New York City</i>	17 V.
Albert Merrill Coit	<i>Grand Rapids, Mich.</i>	250 Crown st.
Thomas Henry Curran	<i>New Haven, Conn.</i>	38 Lake pl.
Maurice Sherman Damon	<i>Honolulu, H. I.</i>	10 V.
Henry Corwith Dangler	<i>Cleveland, O.</i>	12 V.
Edward LeRoy Dennis	<i>Norwich, Conn.</i>	298 W.
George Barnett Everts	<i>Salisbury, Conn.</i>	1081 Chapel st.
Henry Wood Gardner	<i>Providence, R. I.</i>	14 V.
Franklin Williams Glazier	<i>So. Glastonbury, Conn.</i>	35 V.
Francis Erskine Graff	<i>Pittsburg, Pa.</i>	314 W.
William Claiborne Hall	<i>New York City</i>	398 B.
Ernest Hamilton Hurd	<i>Wilton, Conn.</i>	62 Dwight st.
Robert Archibald Jelliffe	<i>Brooklyn, N. Y.</i>	422 B.
Edward Musgrave Lacey	<i>Evanston, Ill.</i>	313 W.
John Olmsted	<i>Buffalo, N. Y.</i>	285 W.
Edward Stetson Paine	<i>Bangor, Me.</i>	286 W.
Arthur Kingsley Porter	<i>Stamford, Conn.</i>	255 L.
William George Powning	<i>New Haven, Conn.</i>	236 D.
Charles Franklin Pratt	<i>Hartford, Conn.</i>	138 F.
George Emanuel Stansfield	<i>Midland Park, N. J.</i>	293 York st.
Arthur Francis Stoddard Steele	<i>Auburn, N. Y.</i>	416 B.
Arthur Woodward Warner	<i>Torrington, Conn.</i>	223 D.
Horace Frederick Zollars	<i>Fort Wayne, Ind.</i>	1044 Chapel st.
		32
Sheffield Scientific School Freshman Class		241

STUDENTS FROM OTHER DEPARTMENTS, 273

## SUMMARY

REGULAR STUDENTS	29
STUDENTS FROM OTHER DEPARTMENTS	273
TOTAL UNDER INSTRUCTION,	302

# DEPARTMENT OF MUSIC

## (YALE MUSIC SCHOOL)

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### REGULAR STUDENTS

William Irving Andruss, B.A. { Beloit College	<i>Amboy, Ill.</i>	333 Crown st.
Carlotta Frost Baldwin	<i>Milford, Conn.</i>	Milford
Irene Ruth Barbour	<i>Meriden, Conn.</i>	Meriden
Harriss Stanlee Bartlett	<i>Bridgeport, Conn.</i>	82 Whalley av.
Leta Tolles Beecher	<i>Bethany, Conn.</i>	Bethany
Mabel Douglas Bosworth	<i>Milford, Conn.</i>	Milford
Antoinette Brett	<i>New Haven, Conn.</i>	195 James st.
Clara Asher Buxbaum	<i>New Haven, Conn.</i>	103 Bishop st.
Saidee Winifred Cooper	<i>New Haven, Conn.</i>	18 Woolsey st.
Edna Church Dailey	<i>New Haven, Conn.</i>	174 Grand av.
William Enright Davenport	<i>Bridgeport, Conn.</i>	848 Myrtle av.
Harriet Warner Deutsch	<i>Naugatuck, Conn.</i>	266 Church st.
Frank Earnest	<i>New Haven, Conn.</i>	423 Blatchley av.
Nellie Estelle Edmondson	<i>New Haven, Conn.</i>	173 Blatchley av.
Edmund Sereno Ender	<i>New Haven, Conn.</i>	52 Arthur st.
Clara Brainard Forbes	<i>East Haven, Conn.</i>	East Haven
Eva Estella Frisbie	<i>Bridgeport, Conn.</i>	Bridgeport
Maude Ethel Gordon	<i>Windsor, N. J.</i>	1193 Chapel st.
Gertrude Elizabeth Grave	<i>New Haven, Conn.</i>	323 George st.
Anne V. W. Griffing	<i>New York City</i>	147 E. 56th st., N. Y. City
Edward Roswell Hawley	<i>Shelton, Conn.</i>	Shelton
Jennie Margaret Hawley	<i>Bridgeport, Conn.</i>	Bridgeport
Harriet Edna Higby	<i>New Haven, Conn.</i>	97 Dwight st.
Lida Jane Hine	<i>New Haven, Conn.</i>	587 State st.
Frances Louise Kirchoff	<i>New Haven, Conn.</i>	75 Maple st.
Daniel Mendoza	<i>New Haven, Conn.</i>	176 Meadow st.
Martha Curtis Miles	<i>Milford, Conn.</i>	Milford
Athelstan Mills	<i>Albany, N. Y.</i>	56 Whalley av.
Cecilia Collins Moriarty	<i>Waterbury, Conn.</i>	Waterbury
Alice Farnam Moulthrop	<i>New Haven, Conn.</i>	620 Orange st.
Julius Eberhardt Neumann	<i>New Haven, Conn.</i>	103 Alden av.
Anna O'Brien	<i>New Haven, Conn.</i>	101 Hill st.
Lorenzo Pratt Oviatt	<i>Milford, Conn.</i>	Milford
Ada Frances Plummer	<i>Bridgeport, Conn.</i>	397 Benham st.
Jennie Porter	<i>New Haven, Conn.</i>	77 Whitney av.

Florence Sears	<i>Middletown, Conn.</i>	42 High st.
Monica Siebke	<i>New Haven, Conn.</i>	8 Warren st.
Robert Alfred Laslett Smith	<i>Waterbury, Conn.</i>	46 Chestnut st.
Nikolai Sokoloff	<i>New Haven, Conn.</i>	78 Washington av.
Mae Louise Stanley	<i>Waterbury, Conn.</i>	Waterbury
Julia Flynn Tenney	<i>Branford, Conn.</i>	Branford
Louise Benjamin Terry	<i>West Haven, Conn.</i>	462 Second av.
Grace Lunt Torbert	<i>New Haven, Conn.</i>	462 Elm st.
Hendrika Troostwyk	<i>New Haven, Conn.</i>	117 Park st.
Otto Charles Vogenitz	<i>New Haven, Conn.</i>	57 Daggett st.
Ruth Wilson	<i>New Haven, Conn.</i>	58 Houston st.
Alice Lincoln Wright	<i>New Haven, Conn.</i>	128 York st.

REGULAR STUDENTS, 47

## STUDENTS FROM OTHER DEPARTMENTS

William Brown Arvine	<i>New Haven, Conn.</i>	1169 Chapel st.
Harry Hall Atwater	<i>Anderson, N. Y.</i>	24 Home pl.
Seth Daniels Bingham, Jr.	<i>Naugatuck, Conn.</i>	176 F.
Arthur George Blaisdell	<i>Goffstown, N. H.</i>	410 B.
Robert Elias Bond	<i>Kohala, H. I.</i>	381 WH.
Ralph Willis Bumstead	<i>Roxbury, Mass.</i>	433 FW.
George Brewster Chadwick	<i>Brooklyn, N. Y.</i>	29 V.
Louis Garfield Coleman	<i>Springfield, Ill.</i>	381 WH.
Charles Orrin Day, Jr.	<i>North Germantown, N. Y.</i>	32 V.
Edward LeRoy Dennis	<i>Norwich, Conn.</i>	298 W.
Arthur Douglas Dodge	<i>New York City</i>	429 FW.
William Leonard Dougherty	<i>Westboro, Mass.</i>	209 D.
Willard Higley Durham	<i>Holland Patent, N. Y.</i>	259 L.
John Kuhn Evans	<i>McKeesport, Pa.</i>	13 V.
John J. Mitchell Fairbank	<i>St. Louis, Mo.</i>	51 V.
Peter Elting Farnum, Jr.	<i>Port Jervis, N. Y.</i>	59 V.
Stanley Ross Fisher	<i>Boston, Mass.</i>	707 W. D.
Henry Lyman Foote	<i>New Haven, Conn.</i>	19 Howe st.
Pierrepoint Beers Foster	<i>New Haven, Conn.</i>	370 WH.
Chauncey Jerome Hamlin	<i>Buffalo, N. Y.</i>	39 V.
Charles Hitchcock, Jr.	<i>New York City</i>	332 WH.
Rodney Sheldon Jarvis	<i>Brooklyn, N. Y.</i>	347 WH.
Daniel Edwards Kennedy	<i>New York City</i>	308 W.
Gilbert Kinney	<i>New Haven, Conn.</i>	212 D.
Joseph Newcomb Kinney, Jr.	<i>Cincinnati, O.</i>	20 V.
William Clark Langley	<i>Brooklyn, N. Y.</i>	4 V.
George Everson Leonard	<i>Syracuse, N. Y.</i>	461 FW.
Alfred Huntington Lewis	<i>Syracuse, N. Y.</i>	11 V.

Dudley Payne Lewis	Springfield, Mass.	28 v.
Franklin Lockwood	Brooklyn, N. Y.	292 w.
Irving McDonald	St. Joseph, Mo.	334 wh.
Donald McKesson	New York City	373 wh.
Arthur Manierre	Chicago, Ill.	6 v.
Lawrence Mason	Chicago, Ill.	310 w.
Daniel Harris Morgan	Springfield, Mass.	52 v.
John Richard Moulton	Salem, Mass.	61 v.
Robert Hayes Nead	Harrisburg, Pa.	266 l.
Ralph Howard Nesmith	Brooklyn, N. Y.	458 fw.
James Knight Nichols	Binghamton, N. Y.	372 wh.
Alfred Trecartin Ogden	Brooklyn, N. Y.	370 wh.
William Frederick Peter	Seymour, Ind.	262 l.
Howard Albert Plummer	New York City	426 fw.
Horace Burton Pomeroy	Troy, Pa.	462 fw.
Arthur Kingsley Porter	Stamford, Conn.	255 l.
George French Porter	Chicago, Ill.	33 v.
Arthur Bernard Recknagel	Brooklyn, N. Y.	232 d.
Thomas Sturgis, Jr.	New York City	7 v.
Joseph Brown Thomas, Jr.	New York City	429 fw.
George Rexford Tillson	Montclair, N. J.	450 fw.
Leonard Sanford Tyler	New Haven, Conn.	33 College st.
Samuel Oakley VanderPoel, Jr.	New York City	65 v.
George Frederick Vietor, Jr.	New York City	438 fw.
Raymond William Walker	Westboro, Mass.	443 fw.
Henry Mitchell Wallace	Ansonia, Conn.	457 fw.
Harry Howe Whittaker	New Haven, Conn.	127 Dixwell av.
Willis Savage Whittlesey	New Haven, Conn.	127 Dixwell av.
Theodore Harry Wickwire	Cortland, N. Y.	337 wh.
Frederick William Wilhelmi	New York City	457 fw.
Lewis Alfred Williams, Jr.	New York City	424 fw.
Wilson Gordon Wing	Bangor, Me.	25 v.

STUDENTS FROM OTHER DEPARTMENTS, 60

SUMMARY

REGULAR STUDENTS	47
STUDENTS FROM OTHER DEPARTMENTS	60
TOTAL UNDER INSTRUCTION, 107	

# DEPARTMENT OF FORESTRY

## (YALE FOREST SCHOOL)

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### SENIOR CLASS

John Bullions Anderson, PH.B. Union University 1896	Cambridge, N. Y.	113 Division st.
Edward Andrew Braniff	Kansas City, Mo.	42 Lake pl.
George Lemon Clothier, B.S., Kansas State Agr. Coll. 1892, M.S. 1899	Vera, Kans.	74 Lake pl.
Albert Williams Cooper, B.A. Harvard University 1901	Boston, Mass.	39 Lynwood pl.
Wallace Irving Hutchinson, B.A. Acadia University 1901	Wolfville, Nova Scotia	70½ Winchester av.
Elers Koch, B.S. Montana State College 1901	Bozeman, Mont.	39 Lynwood pl.
Francis Garner Miller, PH.B. University of Iowa 1900	Red Oak, Iowa	74 Lake pl.
Ellie James Sebastian Moore, B.S. Montana State College 1901	Bozeman, Mont.	35 Townsend st.
James Girvin Peters, B.A. Johns Hopkins University 1900	Baltimore, Md.	38 Mansfield st.
Samuel Newton Spring, B.A. Yale University 1898	Chicago, Ill.	46 Edgewood av.
William Dent Sterrett, B.A. Harvard University 1901	Washington, D. C.	39 Lynwood pl.
Henry Glover Stevens, PH.B. Yale University 1902	Detroit, Mich.	90 Wall st.
Harry Donald Tiemann, M.E. Stevens Institute of Technology 1897	Brooklyn, N. Y.	35 Townsend st.
Theodore Salisbury Woolsey, Jr., B.A. Yale University 1901	New Haven, Conn.	250 Church st.

SENIOR CLASS, 14

### JUNIOR CLASS

John Appleton, B.A. Bowdoin College 1902	Bangor, Me.	78 Lake pl.
Hugh Potter Baker, B.S. Michigan Agricultural College 1901	St. Croix Falls, Wisc.	78 Lake pl.
John Henry Bridges, B.S. Florida Agricultural College 1902	Bartow, Fla.	299 Norton st.
Horatio Jones Brown, B.A. Union University 1901	Schenectady, N. Y.	182 Mansfield st.

Edward Edgecombe Carter, B.A. Bowdoin College 1902	<i>Bath, Me.</i>	104 York sq.
Harold Benjamin Eastman, B.S. Bowdoin College 1902	<i>Portland, Me.</i>	74 Lake pl.
Harold Day Foster, B.A. Williams College 1902	<i>Auburndale, Mass.</i>	104 York sq.
William Buckhout Greeley, B.L. University of California 1901	<i>Oakland, Cal.</i>	83 Sachem st.
Walter Brooke Hadley, B.S. Pacific College 1901	<i>Dayton, Oregon</i>	94 Division st.
Frank Percival Hamilton, B.A. Colby College 1902	<i>Boston, Mass.</i>	74 Winchester av.
Ralph Chipman Hawley, B.A. Amherst College 1901	<i>Amherst, Mass.</i>	214 Dixwell av.
Wilbur Franklin Henderson, B.A. Harvard University 1891	<i>Chicago, Ill.</i>	74 Lake pl.
Yuchi Hokodachi	<i>Japan</i>	363 Crown st.
Richard Perry Imes	<i>Hill City, S. Dak.</i>	182 Mansfield st.
Paul Delmar Kelleter, B.A. Washington University 1902	<i>St. Louis, Mo.</i>	30 Tilton st.
William Hoffman Kobbé	<i>St. Paul, Minn.</i>	8 Prospect pl.
Hamilton Griswold Merrill, B.A. Amherst College 1900	<i>Andover, Mass.</i>	104 Prospect st.
Louis Christian Miller, B.S. Oklahoma Agr. and Mech. Coll. 1901	<i>Stillwater, Okla.</i>	94 Division st.
Allan Bouton Patterson, B.S. Dartmouth College 1898	<i>Concord, N. H.</i>	8 Prospect pl.
Jeremiah Rebmann, B.S. University of Nebraska 1898	<i>Lincoln, Nebr.</i>	313 Winchester av.
Paul Goodwin Redington, B.A. Dartmouth College 1900	<i>Evanston, Ill.</i>	8 Prospect pl.
Avery Turner Searle, B.A. Pomona College 1896	<i>Claremont, Cal.</i>	159 Blake st.
Clinton Gold Smith, B.AGR. Storrs Agricultural College 1898	<i>Atlanta, Ga.</i>	182 Mansfield st.
Blaine Spooner Viles	<i>Skowhegan, Me.</i>	74 Lake pl.
William Grant Weigle	<i>Bendersville, Pa.</i>	140 Shelton av.
Robert Bruce Wilson, B.A. Yale University 1901	<i>Portland, Oregon</i>	182 Mansfield st.

JUNIOR CLASS, 26

## STUDENTS FROM OTHER DEPARTMENTS

Robert Williams Ayres	<i>Cincinnati, O.</i>	120 College st.
Ralph Arthur Brown	<i>Silver Creek, N. Y.</i>	57 Prospect st.
Donald Charles Bunn	<i>St. Paul, Minn.</i>	401 B.
Horace Washburn Chittenden	<i>Washington, D. C.</i>	133 College st.

Allen Perry Lovejoy, Jr.	<i>Janesville, Wisc.</i>	447 FW.
Birdseye Blakeman Pierpont	<i>Rockford, Ill.</i>	82 Wall st.
Homer Angelo Rogers	<i>New York City</i>	111 Grove st.

STUDENTS FROM OTHER DEPARTMENTS, 7

SUMMER SCHOOL STUDENTS

Burton Ephraim Babcock	<i>Westboro, Mass.</i>	A.
John Bentley, Jr.	<i>Brooklyn, N. Y.</i>	A.
Clayton Irving Collins	<i>Corunna, Mich.</i>	A.
Joseph Albert Fitzwater	<i>Phoenixville, Pa.</i>	A.
Mary Chase Gannett	<i>Washington, D. C.</i>	A.
George Morris Homans	<i>Boston, Mass.</i>	A.
Lucy E. D. Jerome	<i>Plainsville, O.</i>	A.
Dudley Payne Lewis	<i>Springfield, Mass.</i>	A.
Thornton Taft Munger	<i>New Haven, Conn.</i>	A.
Frederick Locke Pray	<i>New York City</i>	A.
Harriet Randolph	<i>Bryn Mawr, Pa.</i>	A.
Henry Ellsworth Sanford	<i>New Haven, Conn.</i>	A.
Susan Bender Sipe	<i>Washington, D. C.</i>	A.
Henry Glover Stevens	<i>Detroit, Mich.</i>	A.
Helen Elvira Stockbridge	<i>Glencarlyn, Va.</i>	A.
Constantia Hayes Blake Toumey	<i>New Haven, Conn.</i>	A.
William Joel Turner	<i>Lexington, Va.</i>	A.
William Grant Weigle	<i>Bendersville, Pa.</i>	A.
Alfred Beaver Yeomans	<i>West Orange, N. J.</i>	A.

SUMMER SCHOOL, 19

SUMMARY

SENIOR CLASS	.	.	.	.	14
JUNIOR CLASS	.	.	.	.	26
					<hr/>
REGULAR STUDENTS	.	.	.	.	40
STUDENTS FROM OTHER DEPARTMENTS	.	.	.	.	7
SUMMER SCHOOL	.	.	.	.	19
					<hr/>
TOTAL UNDER INSTRUCTION,					66



# DEPARTMENT OF THEOLOGY

## (YALE DIVINITY SCHOOL)

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### RESIDENT LICENTIATES

#### ATTENDING LECTURES

Frederick Merwin Burgess, B.A.	}	<i>New Haven Conn.</i> 274 Dixwell av.
Yale University 1897, B. D. General Theol. Seminary 1900		
William Henry Burrell		<i>New Haven, Conn.</i> 211 Henry st.
Wallace Irving Coburn		<i>Rockford, Ill.</i> 705 W. D.
John William Davis		<i>New Haven, Conn.</i> 23 Foote st.
George Heczko		<i>New Haven, Conn.</i> 300 Humphrey st.
Charles Bates Strayer, B.A.	}	<i>Green's Farms, Conn.</i> Green's Farms
Western Maryland College 1893, LL.B. Univ. of Maryland 1897		

RESIDENT LICENTIATES, 6.

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### GRADUATE CLASS

#### HOOKER FELLOW

Jay Thomas Stocking, B.A.	}	<i>Canton, N. Y.</i>	Germany
Amherst College 1895, B.D. Yale University 1901			
Yoshibumi Abe, B.A.	}	<i>Tsuruoka, Japan</i>	691 W. D.
Missouri Valley College 1899, B.D. Cumberland University 1902			
William Henry Bawden, B.A.	}	<i>New Haven, Conn.</i> 185 ½ Dixwell av.	
Columbia University 1893, Union Theol. Seminary 1896			
Stanley Francis Blomfield, B.A.	}	<i>Stony Creek, Conn.</i>	Stony Creek
Olivet College 1895, B.D. Yale University 1899			
Andrew Burns Chalmers, B.A.	}	<i>New Haven, Conn.</i> 88 East Pearl st.	
Eureka College 1889			
Albert Ehr Gott, B.D.	}	<i>Wallingford, Conn.</i> 60 Whalley av.	
Rochester Theol. Seminary 1895			
Charles Telford Erickson, B.A.	}	<i>Millersburg, O.</i>	32 Grove st.
De Pauw University 1891,			
M.A. De Pauw University 1893,			
S.T.B. Boston Univ. School of Theol. 1895			

Edward Franklin Goin, B.A. Fisk University 1898, B.D. Oberlin Theological Seminary	}	<i>New Haven, Conn.</i>	34 Foote st.
John Mitchell Harper, B.A. De Pauw University 1899, General Theol. Seminary 1902			
William Gilbert Lathrop, B.A. Brown University 1889, B.D. Yale University 1892	}	<i>Shelton, Conn.</i>	Shelton
Adam Ruth Lutz, B.A. Franklin and Marshall College 1886, B.D. Yale University 1895			
Tsutomu Murata Doshisha College 1887	}	<i>Kyoto, Japan</i>	708 W. D.
Edgar Heaton Price, B.A. Drury College 1895, B.D. Yale University 1898			
William Ernest Andrew Slaght, B.A. Toronto University 1898, B.D. Yale University 1902	}	<i>Westbrook, Conn.</i>	Westbrook
Robert John Smith, B.A. Drake University 1896, M.A. Drake University 1898, B.D. Yale University 1902			
John Arend Timm Lutheran Theo. Sem. (Phila.) 1881, B.D. Yale University 1902	}	<i>New Haven, Conn.</i>	106 York sq.
George Tolover Tolson, B.A. Pacific College 1899, B.D. Pacific Theol. Seminary 1902			
Edgar Collins Tullar, B.A. Albion College 1897	}	<i>Seymour, Conn.</i>	Seymour
John Armstrong Wade, B.A. Yale University 1899, B.D. Yale University 1901			

GRADUATE CLASS, 19.

## SENIOR CLASS

Gurdon Franklin Bailey, B.A. Yale University 1891	}	<i>Westbrook, Conn.</i>	Westbrook
Herbert Anson Barton			
Charles Sherman Bodwell	}	<i>Wellington, Mass.</i>	641 E. D.
George Henry Brown			
Seth Herbert Buell, B.A. Oberlin College 1900	}	<i>New Haven, Conn.</i>	629 E. D.
Frederic Lauriston Bullard, B.A. University of Wooster 1891, M. A. University of Wooster 1894			
	}	<i>Danbury, Conn.</i>	625 E. D.
	}	<i>Plymouth, Conn.</i>	626 E. D.
	}	<i>Allegheny City, Pa.</i>	633 E. D.

Jesse Cobb Caldwell, B.A. } Kentucky University 1896 }	Owenton, Ky.	383 George st.
Raymond Gilmore Clapp, B.A. } Boston University 1900 }	South Boston, Mass.	681 W. D.
Grant Vincent Clark	Princeton, Wisc.	608 E. D.
George Barton Cutten, B.A. } Yale University 1897 }	New Haven, Conn.	80 First st.
Arthur Charles Diefenbach, B.A. } Olivet College 1900 }	Port Huron, Mich.	704 W. D.
Merlin Ennis, B.A. } Beloit College 1900 }	Endeavor, Wisc.	619 E. D.
George Gilmour, B.A. } Wesleyan University 1898, M.A. Princeton University 1899 }	Frankford, Pa.	658 W. D.
Everett Edward Green, B.A. } Amherst College 1900 }	Spencer, Mass.	702 W. D.
James Edgar Gregg, B.A. } Harvard University 1897, M.A. Harvard University 1901 }	Colorado Springs, Colo.	712 W. D.
Paul Ernest Gross, B.A. } Moravian College 1900 }	Bridgeport, Conn.	606 E. D.
Charles Harvy Harrison, B.A. } Dartmouth College 1902, Bangor Theol. Seminary 1900 }	Hanover, N. H.	638 E. D.
Robert Ritchie Harwell, B.A. } Hampden Sidney College 1897 }	Petersburg, Va. Lowell House, Franklin st.	
Eugene Leon Henderson } King Hall Theological School 1896 }	New Haven, Conn.	356 Crown st.
John Lloyd Hopwood, B.A. } Marietta College 1900 }	Plymouth, Pa.	614 E. D.
James Upshure King,	New Haven, Conn.	30 Winter st.
Thomas McCandless, B.A. } Yale University 1900 }	Meriden, Conn.	682 W. D.
Charles Brown MacDuffee, B.A. } Amherst College 1900 }	Charleston Four Corners, N. Y.	622 E. D.
Albert Alonzo Madsen, B.A. } Moravian College 1900, B.D. Moravian Seminary 1902 }	Elba, Minn.	714 W. D.
Thomas Fremington May } St. Lawrence Divinity School 1897 }	Niantic, Conn.	641 E. D.
Charles Clark Miller, B.A. } Princeton University 1900 }	Stamford, Conn.	658 W. D.
Edwin Arundel Ralph, B.A. } Beloit College 1900 }	Beloit, Wisc.	693 W. D.
James Evan Rees, B.A. } Marietta College 1896 }	Plymouth, Pa.	627 E. D.
Christopher Crocker St. Clare, B.A. } Amherst College 1900 }	New London, Conn.	655 W. D.

Henry Francis Smith, B.A. } Beloit College 1897	<i>Marsovan, Turkey</i>	648 George st.
Henry Kuhns Spearman, B.A. } Lincoln University 1900	<i>Newberry, S. C.</i>	602 E. D.
Paul Moore Strayer } Baltimore City College 1892	<i>S. Norwalk, Conn.</i>	S. Norwalk
Alexander Thomas Thompson, B.A. } University of New Zealand 1898, New Zealand Presb. Theol. College	<i>Invercargill, New Zealand</i>	645 E. D.
Charles Morrell Watson, B.A. } Bethany College 1897	<i>Bellaire, O.</i>	61 Park st.

SENIOR CLASS, 34

## MIDDLE CLASS

Edward Bradford Adams, B.A. } Yale University 1901	<i>Westport, Conn.</i>	673 W. D.
Robert Elliott Brown, B.A. } Oberlin College 1901	<i>Oberlin, O.</i>	626 E. D.
Virginus Nelson Carney, B.A. } Lincoln University 1899	<i>Chicago, Ill.</i>	618 E. D.
Shirley Jackson Case, B.A. } Acadia University 1893, M.A. Acadia University 1896	<i>New Hampton, N. H.</i>	44 Elm st.
George Dewitt Castor, B.A. } Drury College 1898	<i>Kansas City, Mo.</i>	630 E. D.
Harry Bryan Cook	<i>Lenox, Mass.</i>	688 W. D.
Judson Lewis Cross, B.A. } Colorado College 1901	<i>York, Nebr.</i>	617 E. D.
Grove Frederick Ekins, B.A. } Knox College 1894	<i>Riverside, Cal.</i>	697 W. D.
Maurice Nathaniel Greene, B.A. } Howard University 1901	<i>Washington, D. C.</i>	634 E. D.
William James Hail, B.A. } Missouri Valley College 1899	<i>Wakayama, Japan</i>	631 E. D.
William Rodman Hamlin, B.A. } Yale University 1900	<i>Easthampton, Mass.</i>	621 E. D.
Milton Carter Holt, B.A. } Acadia College 1898	<i>Crowley, La.</i>	687 W. D.
Harold Bruce Hunting, B.A. } Yale University 1901	<i>Berea, Ky.</i>	624 E. D.
George Jackson Kneeland, B.A. } Illinois College 1901	<i>Jacksonville, Ill.</i>	694 W. D.
Ernest Frank McGregor, B.A. } University of Minnesota 1901	<i>St. Paul, Minn.</i>	684 W. D.
Albert Wentworth Palmer, B.L. } University of California 1901	<i>Los Angeles, Cal.</i>	695 W. D.

Walter Hart Perry, B.A. } Yale University 1901	<i>Oxford, Conn.</i>	683 W. D.
George Edwin Porter, B.A. } Toronto University 1901	<i>Keene, Ont.</i>	710 W. D.
Clayton J. Potter, B.A. } Union College 1900	<i>Glenville, N. Y.</i>	711 W. D.
Joseph Dyer Prigmore, B.A. } Missouri Valley College 1901	<i>Reeds, Mo.</i>	631 E. D.
Rodney Wiley Roundy, B.A. } Amherst College 1899	<i>Lyme, Conn.</i>	703 W. D.
Evan Walter Scott, B.A. } Marietta College 1900	<i>Shandon, O.</i>	612 W. D.
Frederick Isaac Selzer	<i>Evanston, Ill.</i>	640 E. D.
John Lehman Shively, B.A. } Otterbein University 1901	<i>Chambersburg, Pa.</i>	642 E. D.
Everett Hollingsworth Sperow, B.A. } Franklin and Marshall College 1901	<i>Hagerstown, Md.</i>	644 E. D.
Charles McLean Warren, B.A. } Yale University 1898	<i>Collinsville, Conn.</i>	639 E. D.

MIDDLE CLASS, 26

## JUNIOR CLASS

Morris Ezra Alling, PH.B. } Brown University 1902	<i>Northford, Conn.</i>	145 Franklin st.
Burton John Baldwin, B.A. } Wesleyan University 1902	<i>Woodbridge, Conn.</i>	79 Howe st.
Herman Fiske Bell, B.A. } Amherst College 1901	<i>Bristol, R. I.</i>	648 E. D.
Osmond Jesse Billings, B.A. } Amherst College 1900	<i>Sharon, Mass.</i>	690 W. D.
Edward Alfred Blomfield, B.A. } Olivet College 1902	<i>Muskegon, Mich.</i>	620 E. D.
Albert Raffles Brown, B.A. } Oberlin College 1902	<i>Oberlin, O.</i>	628 E. D.
Thornton Trumpour Templeton Denhardt	<i>Tupperville, Ontario</i>	216 Orange st.
George Hibbert Driver, B.A. } Amherst College 1900	<i>Wakefield, Mass.</i>	709 W. D.
Stanley Ross Fisher	<i>East Boston, Mass.</i>	707 W. D.
Dempster D. Gorton, B.A. } Olivet College 1900	<i>Vermontville, Mich.</i>	720 W. D.
Henry Hoadly Guernsey	<i>New Haven, Conn.</i>	623 E. D.
Ira Tapper Hawk, B.A. } Iowa State University 1899	<i>Iowa City, Iowa</i>	675 W. D.
Harry Olive Hofstad	<i>Bridgeport, Conn.</i>	689 W. D.

Horace Flavel Holton, B.A. } Amherst College 1902	Springfield, Mass.	646 E. D.
Roy Mac Houghton, B.A. } Olivet College 1902	Laingsburg, Mich.	715 W. D.
Alexander Fitzgerald Irvine	New Haven, Conn. 247 Lexington av.	
Thomas Jones	Pontypool, Monmouthshire, England	696 W. D.
Mihran Tatios Kalaidjian } St. Paul's Institute, Tarsus 1900	Everek, Asia Minor	653 E. D.
Frederick Ludwig Hermann von Lubken, B.A. } Oberlin College 1902	New York City	635 E. D.
Cecil Clair North, B.A. } University of Nebraska 1902	Bridgeport, Nebr.	605 E. D.
Timon Evans Owens, B.A. } Adrian College 1899	Richwood, O.	643 E. D.
Jason Noble Pierce, B.A. } Amherst College 1902	Brockton, Mass.	646 E. D.
Albert Edward Roraback, B.A. } Yale University 1902	Canaan, Conn.	698 W. D.
John Adolphus Scheuerle, B.A. } Oberlin University 1901	Ritzville, Washington	637 E. D.
David Edward Thomas, B.A. } University of Nebraska 1902	Dawson, Neb.	605 E. D.
John Mason Wells, B.A. } Amherst College 1902	Palmer, Mass.	713 W. D.
Jacob Henry Yaggy, B.A. } Western College 1901	New Haven, Conn.	679 W. D.

JUNIOR CLASS, 27

## SUMMARY

RESIDENT LICENTIATES . . . . .	6
GRADUATE CLASS . . . . .	19
SENIOR CLASS . . . . .	34
MIDDLE CLASS . . . . .	26
JUNIOR CLASS . . . . .	27

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# DEPARTMENT OF MEDICINE

## (YALE MEDICAL SCHOOL)

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### GRADUATE STUDENT

<b>Lamont Hood Ross, M.D. }</b> University of Buffalo, 1892 }	<i>Ridgeway, Pa.</i>	333 York st.
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GRADUATE STUDENT, I

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### SENIOR CLASS

<b>Harold Sears Arnold, B.A. }</b> Yale University 1900 }	<i>New Haven, Conn.</i>	36 Dwight st.
<b>John Harry Bailey, B.A. }</b> Yale University 1900 }	<i>New Haven, Conn.</i>	837 Grand av.
<b>James John Baron, B.A. }</b> Anatolia College 1895, } B.D. Yale University 1898 }	<i>Sivas, Turkey</i>	
<b>William Hill Bean, PH.B. }</b> Yale University 1888 }	<i>New Haven, Conn.</i>	40 Pleasant st.
<b>Frederick George Beck</b>	<i>New Haven, Conn.</i>	109 York st.
<b>Frederick Forrest Budd</b>	<i>Meriden, Conn.</i>	Meriden
<b>Charles Lester Curtiss</b>	<i>New Haven, Conn.</i>	374 Whalley av.
<b>Bartle Francis Donohue</b>	<i>Hinsdale, Mass.</i>	565 Howard av.
<b>Charles Everett Farr, B.A. }</b> Yale University 1898 }	<i>Athol, Mass.</i>	333 York st.
<b>Robert Ferguson, B.A. }</b> Yale University 1900 }	<i>Springfield, Mass.</i>	718 W. D.
<b>Cleveland Ferris</b>	<i>New York City</i>	404 Crown st.
<b>Albert Henry Garvin</b>	<i>Wethersfield, Conn.</i>	280 Crown st.
<b>Herbert Charles Gibner</b>	<i>Bridgeport, Conn.</i>	78 Dwight st.
<b>James Henry Haberlin</b>	<i>Pawtucket, R. I.</i>	333 York st.
<b>Herman Philip Hessler</b>	<i>New Haven, Conn.</i>	898 State st.
<b>Carlos Grout Hilliard, M.A. }</b> Brown University 1900 }	<i>Saxton's River, Vt.</i>	Cedar st.
<b>Eli Butler Ives</b>	<i>Branford, Conn.</i>	256 State st.
<b>Robert William Kerr</b>	<i>Newport, R. I.</i>	718 W. D.
<b>John Edward Lane, B.A. }</b> Yale Univ. 1894, M.A. 1897 }	<i>Hadley, Mass.</i>	88 Park st.
<b>Joseph Pierre Lavalaye</b>	<i>New Haven, Conn.</i>	133 Davenport av.
<b>Joseph Abraham Loeb</b>	<i>New York City</i>	269 Portsea st.
<b>Treby William Lyon</b>	<i>New London, Conn.</i>	333 Cedar st.

Joseph George Mahoney	<i>Shelton, Conn.</i>	333 Cedar st.
Louis Adolph Notkins	<i>New Haven, Conn.</i>	138 Minor st.
Cyrus Edmund Pendleton	<i>Hebron, Conn.</i>	103 Park st.
Nathan Tolles Pratt, M.A. } Trinity College 1897	<i>Bridgeport, Conn.</i>	Bridgeport
Walter Latham Rathbun	<i>Noank, Conn.</i>	333 Cedar st.
Robert Lee Rowley	<i>Hartford, Conn.</i>	326 George st.
Frank Billings Standish	<i>Meriden, Conn.</i>	78 Dwight st.
Frank William Wrinn	<i>New Haven, Conn.</i>	76 Washington av.

SENIOR CLASS, 30

## JUNIOR CLASS

Howard Sanford Allen	<i>Woodbury, Conn.</i>	111 Edgewood av.
Zelly Adam Bonoff	<i>New Haven, Conn.</i>	26 Palmer st.
Edward Joseph Brophy	<i>New Haven, Conn.</i>	157 Ferry st.
William Francis Collins	<i>New Haven, Conn.</i>	393 East st.
Edward Francis Crofutt	<i>Bethel, Conn.</i>	123 York st.
John Henry Dillon	<i>Waterbury, Conn.</i>	120 York st.
James Bernard Dinnan	<i>New Haven, Conn.</i>	96 Broad st.
Frederick Tracy Fitch	<i>Noank, Conn.</i>	333 Cedar st.
Emanuel Charles Fleischner	<i>New Haven, Conn.</i>	920 Grand av.
David Aloysius Flynn	<i>Bridgeport, Conn.</i>	Bridgeport
Frank Thomas Gaffney	<i>Wallingford, Conn.</i>	123 York st.
Joseph Leo Gilmore	<i>Albany, N. Y.</i>	68 Edwards st.
Frederick William Hamilton	<i>Portrush, Ireland</i>	122 Howe st.
Charles Hammond	<i>Springfield, Mass.</i>	14 Vernon st.
John Wilson Hunt	<i>Olathe, Kans.</i>	1142 Chapel st.
Fred Pollock Lane	<i>New Haven, Conn.</i>	67 Howe st.
Arthur Riley Lyman	<i>Lowell, Mass.</i>	391 Crown st.
Thomas Edward Parker, Jr.	<i>Waterbury, Conn.</i>	120 York st.
Wilbert Warren Perry	<i>Hartford, Conn.</i>	1142 Chapel st.
Frank Joseph Ronayne	<i>Bridgeport, Conn.</i>	1142 Chapel st.
James Vincent Smith	<i>New Haven, Conn.</i>	66 Putnam st.
Seymour Leopold Spier	<i>New Haven, Conn.</i>	348 Crown st.
Bartholomew Tiernan	<i>New Haven, Conn.</i>	487 Columbus av.
Burton Isaac Tolles, B.A. } Yale University 1901	<i>Ansonia, Conn.</i>	364 Orchard st.

JUNIOR CLASS, 24

## SECOND YEAR CLASS

Fred. William Arlt, B.A. } Yale University 1901	<i>New Haven, Conn.</i>	587 State st.
Charles Thomas Beach	<i>Hartford, Conn.</i>	388 Crown st.



Ernest Sydney Bisbee, PH.G. } Mass. Coll. of Pharmacy 1900 }	<i>Boston, Mass.</i>	404 Crown st.
Maximilian David Bloomfield	<i>Boston, Mass.</i>	277 Crown st.
Hugh Eleazer Burbank, PH.B. } Yale University 1900 }	<i>Plympton, Mass.</i>	249 Crown st.
Rollin Hilliard Burr, M.S. } Wesleyan University 1902 }	<i>Rocky Hill, Conn.</i>	405 George st.
Charles Osmond Cooke, M.A. } Brown University 1900 }	<i>Providence, R. I.</i>	1151 Chapel st.
Andrew Payne Cornwall	<i>Portland, Conn.</i>	1142 Chapel st.
Ralph William Crane	<i>Groton, Conn.</i>	333 Cedar st.
Louis Abraham Doroff	<i>New Haven, Conn.</i>	254 Cedar st.
Frank Atwater Elmes	<i>Derby, Conn.</i>	87 Park st.
Shem Alfred Everett	<i>Shokan, N. Y.</i>	133 Dwight st.
Alexander Otto Fasser	<i>New Haven, Conn.</i>	14 Baldwin st.
Edward Peter Halton	<i>Newport, R. I.</i>	565 Howard av.
Charles Ray Hawley	<i>Ottawa, Kans.</i>	1081 Chapel st.
William Worthington Herrick, B.A. } Yale University 1902 }	<i>Sherman, Conn.</i>	33 Wall st.
Fred Cornelius Ryan Irwin	<i>Bridgeport, Conn.</i>	109 York st.
Thomas Robert Johnson	<i>Worcester, Mass.</i>	1142 Chapel st.
Robert Francis Kelly	<i>Thompsonville, Conn.</i>	87 Park st.
Louis Adolph Kornblut	<i>Ansonia, Conn.</i>	124 Washington av.
Sylvester Richard Leahy	<i>New Haven, Conn.</i>	9 Day st.
William Liebman	<i>New Haven, Conn.</i>	765 Grand av.
Edward Emanuel Lindeman	<i>New York City</i>	135 Howe st.
Emmett Judson Lyman	<i>Suffield, Conn.</i>	236 Crown st.
James Smith Martin	<i>Upper Montclair, N. J.</i>	87 Park st.
Michael Andrew McQueeney	<i>New Haven, Conn.</i>	160 Lamberton st.
John Erwin O'Connell	<i>New Haven, Conn.</i>	961 State st.
John Woodstock Parker, Jr.	<i>New Haven, Conn.</i>	178 Ferry st.
Charles Reed Pratt	<i>New Haven, Conn.</i>	114 Dwight st.
Alva George Provost	<i>Torrington, Conn.</i>	347 Orchard st.
James Frederick Rogers	<i>Malta, O.</i>	78 Lake pl.
Charles Edward Sanford	<i>Ansonia, Conn.</i>	928 Grand av.
Thomas Franklyn Smallman	<i>New Haven, Conn.</i>	129 Howard av.
Edmund Spicer	<i>Groton, Conn.</i>	565 Howard av.
Willard George Steadman, Jr.	<i>Southington, Conn.</i>	1081 Chapel st.
Wallace Edward Wheeler	<i>Bridgeport, Conn.</i>	109 York st.

## FIRST YEAR CLASS

Frank Mears Adams, PH.B. }	<i>New Haven, Conn.</i> 483 Orange st.
Yale University 1902 }	
Louis Mark Alofsin	<i>Norwich, Conn.</i> 363 W. H.
William Lawrence Anderson	<i>New Haven, Conn.</i> 96 Park st.
William Henry Barr	<i>Suffield, Conn.</i> 112 Whalley av.
Eugene Maurice Blake	<i>Bridgeport, Conn.</i> 55 Dickerman st.
Joseph Edward Brady	<i>Brockton, Mass.</i> 591 Elm st.
Patrick Joseph Brennan	<i>Norwich, Conn.</i> 231 York st.
Michael Herman Brodsky	<i>New York City</i> 565 Howard av.
Eugene Buckman	<i>New Haven, Conn.</i> 68 Lake pl.
John Martinez Cardeza	<i>Claymont, Del.</i> 1044 Chapel st.
Michael Edward Cooney	<i>Florence, Mass.</i> 254 Crown st.
Timothy Michael Crowley	<i>New Haven, Conn.</i> 116 Day st.
Calvert Martin DeForest	<i>Cumberland, Wisc.</i> 565 Howard av.
Joseph Leo Dennehy	<i>New Haven, Conn.</i> 28 Ridge st.
Willard Joseph Denno	<i>Castleton, Vt.</i> 465 FW.
George Barnett Everts	<i>Salisbury, Conn.</i> 1081 Chapel st.
Hugh Francis Flaherty	<i>Derby, Conn.</i> Derby
Prospero Fortunato Benjamin Francolini	<i>Hartford, Conn.</i> 539 Chapel st.
Edwin Carpenter Gilbert	<i>Hartford, Conn.</i> 565 Howard av.
Bertram Joseph Goodman	<i>New Haven, Conn.</i> 11 Court st.
John Francis Hackett	<i>Meriden, Conn.</i> Meriden
Isaiah Hagob Halladjian	<i>Aintab, Turkey</i> 21 Sperry st.
Joseph Webster Horton	<i>Hartford, Conn.</i> 561 Howard av.
William Lorne Irvine	<i>Mill Creek, Manitoba</i> 342 WH.
Samuel Francis Jackson	<i>New Haven, Conn.</i> 56 Frank st.
Herbert Leopold Kennedy	<i>Glenbrook, Conn.</i> 159 York st.
Henry Joseph Lamontagne	<i>Meriden, Conn.</i> Meriden
Jacob Kimber Levan	<i>Newlin, Pa.</i> 64 Wooster st.
Louis Herbert Limauro	<i>New Haven, Conn.</i> 209 Wallace st.
Carl Emil Meyer	<i>Chicopee, Mass.</i> 9 Library st.
Charles Ruben Mitchell	<i>New Britain, Conn.</i> New Britain
Charles Connor Murphy	<i>New Haven, Conn.</i> 66 Prince st.
John Emilius Parker, B.S. }	<i>Charleston, S. C.</i> 153 Dwight st.
Union College 1901 }	
Sumpat Kovork Patchanian	<i>Marash, Turkey</i> 91 Charles st.
Frank Lyman Phillips, PH.B. }	<i>New Haven, Conn.</i> 389 Orange st.
Yale University 1902 }	
Harry Charles Podall	<i>New Haven, Conn.</i> 189 Meadow st.
Roy Clifford Potter	<i>Guilford, Conn.</i> 84 Carmel st.
Harry Albert Rightmire	<i>Fairport, N. Y.</i> 215 D.
Clyde Augustus Roeder	<i>Grand Island, Nebr.</i> 237 York st.

Bernard Jules Rosen	New Haven, Conn.	52 Lafayette st.
Frederick Lawrence Ryder	Branford, Conn.	78 Center st.
Melchiorre Frances Rosary Savarese	Shelton, Conn.	545 Howard av.
Irving Frank Scofield, B.A. } Wesleyan University 1902	Meriden, Conn.	44 Second st.
John Aloysius Shields	Watertown, Conn.	120 York st.
Max Smirnow	New Haven, Conn.	122 Congress av.
Robert Gordon Caldwell Stewart	Dalhousie, N. B., Can.	237 York st.
Jeremiah Barrett Sullivan	New Haven, Conn.	245 Washington av.
Charles Arthur Tetrault, PH.B. } Brown University 1902	Southbridge, Mass.	261 Howard av.
Loyd Orcar Thompson	Mercer, Pa.	561 Howard av.
William Howard Treat	Derby, Conn.	Derby
Morris Tuch	Hartford, Conn.	269 Portsea st.
Fred Brown Utley	Gloversville, N. Y.	375 W. H.
John William Vollmer	S. Norwalk, Conn.	S. Norwalk
Alexander Zangwill Wolodarsky	New Haven, Conn.	255 Columbus av.

FIRST YEAR CLASS, 54

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# DEPARTMENT OF LAW

## (YALE LAW SCHOOL)

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### GRADUATE CLASS

Andrew Tew Bierkan, LL.B. } Yale University 1896	<i>New Haven, Conn.</i>	138 Lawrence st.
T. Sutton Boyd, B.A. } University of West Virginia 1902, LL.B. University of West Virginia 1902	<i>Scottdale, Pa.</i>	9 Library st.
William Harrison Holmes, LL.B. } State University of Iowa 1901	<i>Hamburg, Iowa</i>	159 Elm st.
Garfield R. Jones, LL.B. } Yale University 1902	<i>Evanston, Ill.</i>	333 York st.
George Daniel Jones, LL.B. } Drake University	<i>Eckelson, N. Dak.</i>	800 George st.
Phelps Montgomery, B.A. } Yale University 1895, LL.B. Yale University 1898	<i>New Haven, Conn.</i>	221 Whitney av.
Takao Saito, } Tokyo Semmongakko 1895	<i>Tajima, Japan</i>	220 Lawrence st.
James Mark Sullivan, LL.B. } Yale University 1902	<i>New Haven, Conn.</i>	37 Bradley st.
Chung Hui Wang, LL.B. } Tientsin University 1899	<i>Canton, China</i>	254 Crown st.

GRADUATE STUDENTS, 9

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### SENIOR CLASS

Frederick Blanchard Adams, B.A. } Yale University 1901	<i>Utica, N. Y.</i>	61 Wolcott st.
Robert Wesley Amick	<i>Canon City, Colo.</i>	297 George st.
Hal Crumpton Bangs, B.A. } Northwestern University 1901	<i>Chatsworth, Ill.</i>	1151 Chapel st.
George Hiram Bartholomew, B.A. } Yale University 1900	<i>New Haven, Conn.</i>	225 Sherman av.
Harry Judson Beardsley, B.A. } Yale University 1900	<i>New Haven, Conn.</i>	41 Howe st.
Nathan Belcher	<i>New London, Conn.</i>	1151 Chapel st.
George Thomas Bickley	<i>Orwigsburg, Pa.</i>	159 Elm st.
Henry Jacob Block	<i>Brooklyn, N. Y.</i>	237 York st.
Howard Jasper Bloomer	<i>Norwalk, Conn.</i>	34 Lynwood pl.
Morgan Bulkeley Brainard, B.A. } Yale University 1900	<i>Hartford, Conn.</i>	1101 Chapel st.

Leslie Leroy Brewer	<i>E. Hartford, Conn.</i>	120 York st.
Clarence Whittlesey Bronson, B.A. } Yale University 1900	<i>New Haven, Conn.</i>	1233 Chapel st.
John Griest Brown, LL.B. } University of State of Missouri 1902	<i>Edina, Mo.</i>	73 Lake pl.
Louis Rice Burton	<i>New Haven, Conn.</i>	530 Elm st.
Jacob Caplan	<i>New Haven, Conn.</i>	149 Congress av.
Franklin Carter, Jr., B.A. } Yale University 1900	<i>New Haven, Conn.</i>	700 W. D.
Yu Chuan Chang	<i>Kuangtung, China</i>	254 Crown st.
Charles Franklin Clarke, B.A. } Yale University 1886, B.D. Yale University 1889	<i>Whitneyville, Conn.</i>	Whitneyville
Timothy Francis Collins } Attorney at Law	<i>Arlington, Mass.</i>	277 Crown st.
George Williamson Crawford, B.A. } Talladega College 1900	<i>Birmingham, Ala.</i>	666 W. D.
Martin Joseph Cunningham	<i>Danbury, Conn.</i>	233 York st.
Charles Francis Dalton	<i>Waterbury, Conn.</i>	1136 Chapel st.
Charles Henry DeForest	<i>New Haven, Conn.</i>	108 High st.
Leopoldo de Sola	<i>Havana, Cuba</i>	364 George st.
Salvator D'Esopo	<i>Hartford, Conn.</i>	120 High st.
Hubert Loomis Dickerman	<i>Westville, Conn.</i>	75 Alden st.
William Joseph Downs, B.A. } Yale University 1901	<i>Yonkers, N. Y.</i>	114 High st.
Amos Tuck Earley } Attorney at Law	<i>Oklahoma City, Okla.</i>	32 Park st.
Stanley Wells Edwards, B.A. } Yale University 1900	<i>Granby, Conn.</i>	299 York st.
Oliver Edward Fengar, LL.B. } Union University 1902	<i>New London, Conn.</i>	87 Ashmun st.
William Jacob Ferris } Attorney at Law	<i>Greenwich, Conn.</i>	32 Park st.
Robert Howland Fisk	<i>Stafford Springs, Conn.</i>	38 Lynwood pl.
Franklin Francolini, B.A. } National College, Italy, 1895	<i>New York City</i>	539 Chapel st.
Joseph Jefferson Goldsmith	<i>Carnegie, Pa.</i>	231 York st.
George Dana Graves, B.A. } Yale University 1899	<i>Cambridge, Mass.</i>	333 York st.
Charles Edward Hickey	<i>New London, Conn.</i>	1204 Chapel st.
Hamilton M. Higday } Attorney at Law	<i>Des Moines, Iowa</i>	800 George st.
George Brown Kennerdell, PH.B. } Grove City College 1899	<i>Rural Valley, Pa.</i>	297 George st.
Joseph Ernest Lauber	<i>New Haven, Conn.</i>	112 St. John st.
Timothy Aloysius Leary, B.A. } Yale University 1900	<i>Scitico, Conn.</i>	213 York st.

Emerson Rossel Lewis	<i>Plantsville, Conn.</i>	159 Elm st.
John Harris Lewis, B.A.	}	<i>Thomaston, Ga.</i> 17 Edgewood av.
Emory College 1894,		
LL.B. University of Georgia 1898, Attorney at Law		
Charles Davenport Lockwood, PH.B.	}	<i>Stamford, Conn.</i> 333 York st.
Yale University 1900		
Henry Otto Lowe	<i>Baltimore, Md.</i>	121 York st.
Jacob Sigmund Luscher	<i>Frankfort, Ky.</i>	
Henry Patrick Lyons	<i>Bridgeport, Conn.</i>	Bridgeport
Benjamin Jacob Marcus	<i>Waterbury, Conn.</i>	103 Park st.
Thomas Nelson Marlowe, LL.B.	}	<i>Norborne, Mo.</i> 251 Crown st.
University of State of Missouri 1902,		
Attorney at Law		
Charles Martin, LL.B.	}	<i>Green City, Mo.</i> 17 Edgewood av.
Indianapolis College of Law 1902,		
Attorney at Law		
John Henry Mathews	<i>Worcester, Mass.</i>	333 York st.
James Bowman Mercer	<i>Reading, Pa.</i>	1151 Chapel st.
Fay R. Moulton, B.A.	}	<i>Kansas City, Mo.</i> 1044 Chapel st.
University of Kansas 1900		
Thomas Davidson Newmyer, B.A.	}	<i>Connellsville, Pa.</i> 208 Canner st.
Yale University 1900		
Omar William Platt, B.A.	}	<i>Milford, Conn.</i> Milford
Yale University 1899		
Ernest Martin Quittmeyer, B.A.	}	<i>Bridgeport, Conn.</i> 651 E. D.
Wesleyan University 1899,		
M.A. Yale University 1901		
Charles Reider	<i>Glen Rock, Pa.</i>	333 York st.
William Charles Rungee	<i>New Haven, Conn.</i>	5 ½ Redfield st.
Gustave Reinhardt Sattig	<i>New Haven, Conn.</i>	828 Chapel st.
Paul Alexis Savage, LL.B.	}	<i>Birmingham, Ala.</i> 64 Lake pl.
University of Alabama 1902		
Louis Scoppa	<i>New Haven, Conn.</i>	150 Wallace st.
Charles Hillison Shapiro	<i>New Haven, Conn.</i>	288 Grand av.
Edward Joseph Stanford	<i>New Haven, Conn.</i>	45 Clark st.
Louis Henry Strouse, PH.B.	}	<i>New Haven, Conn.</i> 143 St. John st.
Yale University 1900		
Augustus Barnes Tabb, B.A.	}	<i>Newport, R. I.</i> 58 Whitney av.
Lincoln University 1900		
Philip Troup, PH.B.	}	<i>New Haven, Conn.</i> 545 Orange st.
Yale University 1900		
Thomas Francis Turley	<i>New York City</i>	115 Dwight st.
James Alonzo Turner	<i>Bridgeport, Conn.</i>	Bridgeport
Charles Ellingham Weeks, B.A.	}	<i>Bridgeport, Conn.</i> Bridgeport
Yale University 1900		
Wilmot Fitch Wheeler	<i>Bridgeport, Conn.</i>	266 L.

George Newell Whittlesey, B.A. { Yale University 1900	New Haven, Conn.	135 Wall st.
Henry Hugh Wickham, LL.B. { Highland Park College 1902	Des Moines, Iowa	251 Crown st.
George Woodruff	Joliet, Ill.	159 York st.

SENIOR CLASS, 72

## MIDDLE CLASS

Lloyd Stuart Ackerman	San Francisco, Cal.	1151 Chapel st.
Samuel Alderman	New Haven, Conn.	20 Dow st.
Ira Lincoln Anderson, B.A. { Yale University 1901	East Orange, N. J.	1010 Chapel st.
Ernest Leroy Averill	New Haven, Conn.	419 Lenox st.
Joseph Henry Banigan	Providence, R. I.	1151 Chapel st.
Joseph Barr	Suffield, Conn.	112 Whalley av.
Ernest Turrell Bauer, B.A. { Yale University 1900	New Haven, Conn.	43 College st.
Cogswell Bentley, B.A. { Yale University 1900	Rochester, N. Y.	53 Lake pl.
Barnette Berman	New Haven, Conn.	41 Broad st.
James Elbert Brinckerhoff	New Canaan, Conn.	283 Crown st.
Edward Myers Brown	Herkimer, N. Y.	159 York st.
George Robert Burnes	Bridgeport, Conn.	Bridgeport
Edward Aloysius Carlin	New Haven, Conn.	215 Davenport av.
John Douglas Clark	Windsor, Conn.	315 Crown st.
Martin Jerome Cohan	Crafton, Pa.	231 York st.
Harold Bradford Colton, B.A. { Yale University 1901	Hartford, Conn.	126 High st.
Laurence Rudolph Conley	New York City	64 Lake pl.
Daniel Francis Conway	Burlington, Vt.	561 Howard av.
Charles Winthrop Cramer	Portland, Conn.	222 Crown st.
William Barnes Cullen	Hamilton, O.	159 York st.
David Aikanaka Dowsett	Honolulu, H. I.	1151 Chapel st.
Solomon Elsner	Hartford, Conn.	32 Trumbull st.
Alfred Chalenor Fairbanks	Hartford, Conn.	315 Crown st.
Horace Jewell Fenton, B.A. { Yale University 1899, M.A. Yale University 1901	Willimantic, Conn.	139 Dwight st.
John J. Fisher, B.A. { Beloit College 1900	White Creek, Wisc.	619 E. D.
Joseph Simon Flynn	Ridgway, Pa.	9 Library st.
Albert Smith Gordon, B.A. { Wesleyan University 1901	Hazardville, Conn.	333 York st.
Ira Oswin Gregory	Noroton Heights, Conn.	Noroton Heights

Andrew Chester Halpen	<i>Lawrence, Mass.</i>	128 High st.
Paul Townsend Hazen	<i>Avoca, Iowa</i>	112 Whalley av.
Rocco Ierardi	<i>New Haven, Conn.</i>	539 Chapel st.
William Tuite Keleher	<i>Pawcatuck, Conn.</i>	233 York st
Reyu Kimura	<i>Miyagi, Japan</i>	31 Audubon st.
Tokyo English Law School 1897 }		
Samuel Charles Kone	<i>Hartford, Conn.</i>	41 Broad st.
Joseph Jacob Linxweiler	<i>S. Norwalk, Conn.</i>	S. Norwalk
Patrick Frank McDonough	<i>New Britain, Conn.</i>	9 Library st.
Israel Henry Mag	<i>Meriden, Conn.</i>	Meriden
George Stephen Manning	<i>New Haven, Conn.</i>	32 Stevens st.
James Talcott Mather, Jr.	<i>Deep River, Conn.</i>	485 Elm st.
Paul Emerson Mead	<i>Falls Village, Conn.</i>	333 York st.
George Edward Mix	<i>New Britain, Conn.</i>	233 York st.
William Joseph Mulligan	<i>Thompsonville, Conn.</i>	333 York st.
Israel Nelson, B.A. }	<i>Lindsborg, Kans.</i>	1 College st.
Bethany College 1899 }	<i>Meriden, Conn.</i>	Meriden
Thomas Joseph O'Brien	<i>Washington, D. C.</i>	1151 Chapel st.
Caleb Wilson O'Connor	<i>Hartford, Conn.</i>	17 Clark st.
Morris Older	<i>Bridgeport, Conn.</i>	Bridgeport
James Henry O'Rourke	<i>Bridgeport, Conn.</i>	Bridgeport
Richard Eugene Peck, B.A. }	<i>N. Colebrook, Conn.</i>	706 W. D.
Trinity College 1901 }	<i>Bridgeport, Conn.</i>	Bridgeport
Carrington Arah Phelps	<i>New Haven, Conn.</i>	111 Dwight st.
Vivian Hall Root	<i>St. Louis, Mo.</i>	333 York st.
Louis Mandelbaum Rosenbluth, PH.B. }	<i>New Haven, Conn.</i>	1161 Chapel st.
Yale University 1901 }	<i>Waterbury, Conn.</i>	222 Crown st.
John Harold Sears	<i>Palmyra, N. Y.</i>	333 York st.
David Harold Slade	<i>San Francisco, Cal.</i>	119 Wall st.
Howard Birney Snow	<i>New York City</i>	117 Wall st.
Robert Hardy Strahan	<i>Brooklyn, N. Y.</i>	139 York st.
Frank Herman Strohm	<i>Elizabeth City, N. C.</i>	597 P.
Jesse Sulzberger	<i>Clinton, N. Y.</i>	314 Prospect st.
Harry Leon Theall	<i>Waterbury, Conn.</i>	333 York st.
Malvern Hall Tillitt, B.A. }	<i>Detroit, Mich.</i>	333 York st.
Yale University 1901 }	<i>New Haven, Conn.</i>	
Kinsley Twining, B.A. }		
Yale University 1901 }		
Robert Spiers Walker		
Cameron Beach Waterman, B.A. }		
Yale University 1901 }		
Benjamin Elizur Wright, PH.B. }		
Yale University 1885 }		



## JUNIOR CLASS

Abraham Aaronson	<i>Seymour, Conn.</i> 128 Washington av
Isaac Charles Adams	<i>Dorchester, Mass.</i> 34 Lynwood pl.
James Richard Alexander, B.S. } University of Kansas 1899	<i>Kansas City, Mo.</i> 1044 Chapel st.
Coleman Emanuel Andel, B.A. } Yale University 1902	<i>Belleville, Ill.</i> 706 W.D.
Arthur Barnwell, Jr.	<i>Charleston, S. C.</i> 131 Grove st.
Raymond Wilson Barrows	<i>Hartford, Conn.</i> 126 High st.
Harry Saul Batchelder	<i>Waterbury, Conn.</i> 237 York st.
Frederick Chester Bauby	<i>Waterbury, Conn.</i> 120 York st.
Clifford Hawkins Bell	<i>Portland, Conn.</i> 1081 Chapel st.
John Joseph Bennett	<i>Ansonia, Conn.</i> 237 York st.
William Woodworth Bent	<i>Norwich, Conn.</i> 231 York st.
Frank Edward Bollmann	<i>New Haven, Conn.</i> 40 Sylvan av.
John Leon Bonee	<i>Hartford, Conn.</i> 64 Lake pl.
William Andrew Buckley	<i>New London, Conn.</i> 206 Crown st.
Paul Crosby Chamberlain	<i>W. Brookfield, Mass.</i> 7 Library st.
George Nillis Crouse, PH.B. } Yale University 1901	<i>Syracuse, N. Y.</i> 223 Orange st.
Glenn Norvan Curnow	<i>Mt. Carmel, Pa.</i> 75 Whalley av.
David Sheldon Day, B.A. } Yale University 1902	<i>Colchester, Conn.</i> 333 York st.
Charles Mills DeForest, B.A. } Yale University 1901, M.A. Yale University 1902	<i>New Haven, Conn.</i> 387 Temple st.
Fernando Enrique deMurias	<i>New York City</i> 159 Elm st.
Frank Ritzema Denton	<i>Middletown, N. Y.</i> 105 College st.
Edward Clarence Dial	<i>Bridgeport, Conn.</i> Bridgeport
William Dean Embree, B.A. } Yale University 1902	<i>Berea, Ky.</i> 624 E. D.
Charles Driver Francis, B.A. } Yale University 1902	<i>Winchester, Tenn.</i> 333 York st.
James Milton Gaar	<i>Richmond, Ind.</i> 333 York st.
Joseph Francis Gatins, Jr.	<i>Atlanta, Ga.</i> 159 Elm st.
Marc Leon Germain	<i>Los Angeles, Cal.</i> 333 York st.
Charles Sydney Gerth	<i>Bristol, Conn.</i> 112 Whalley av.
Henry Greenstein	<i>Bridgeport, Conn.</i> Bridgeport
Wilfred Alan Greenwell	<i>Kealakekua, H. I.</i> 91 Park st.
James Dana Hart	<i>New Haven, Conn.</i> 113 Wolcott st.
Frederick Clarence Hempy	<i>Mt. Vernon, N. Y.</i> 8 Prospect pl.
John Linden Henning, Jr.	<i>Saratoga, N. Y.</i> 260 Crown st.
Michael Herbert	<i>New Haven, Conn.</i> 118 Hamilton st.
Norman Granger Hewitt	<i>Saratoga Springs, N. Y.</i> 260 Crown st.
Thomas Nicholas Hogan	<i>Hartford, Conn.</i> 405 B.

William Cyril Holden	<i>Forestville, Conn.</i>	86 Broadway
Richard William Hollaman	<i>Brooklyn, N. Y.</i>	333 York st.
John Joseph Hughes, B.A. { Yale University 1902	<i>Troy, N. Y.</i>	137 Olive st.
Howard Donald Humiston, B.A. { Yale University 1902	<i>Minneapolis, Minn.</i>	706 W.D.
William Stewart Hyde, B.A. { Trinity College 1902	<i>S. Manchester, Conn.</i>	565 Howard av.
Albert Herman Jente, PH.B. { Yale University 1902	<i>New Haven, Conn.</i>	97 Bristol st.
Abraham Gilbert Kaulukou	<i>Honolulu, H. I.</i>	91 Park st.
Frank Kenna	<i>New Haven, Conn.</i>	40 Lake pl.
William Ernest Kennedy	<i>New Haven, Conn.</i>	24 Rosette st.
David Edward Lavigne, B.A. { Laval University 1902	<i>Waterbury, Conn.</i>	175 Chestnut st.
Robert Edward Lee	<i>New Haven, Conn.</i>	166 Ashmun st.
George Barton Lewis	<i>Bridgeport, Conn.</i>	Bridgeport
Huber Berkley Lewis	<i>St. Joseph, Mo.</i>	42 Lake pl.
James Lee Loomis, B.A. { Yale University 1901	<i>Granby, Conn.</i>	114 High st.
Dennis Joseph McCarthy, B.A. { Yale University 1898	<i>Stafford Springs, Conn.</i>	254 Crown st.
Frederick Michael McCarthy	<i>Ansonia, Conn.</i>	Ansonia
Francis James McCoy	<i>Amherst, Mass.</i>	297 George st.
Peter Joseph McDermott	<i>Torrington, Conn.</i>	9 Library st.
William MacDonald	<i>Hatfield, Mass.</i>	1233 Chapel st.
William James MacMahon	<i>Pittsburg, Pa.</i>	333 York st.
Albert Francis McWilliams	<i>New Haven, Conn.</i>	117 Wall st.
John Coleman Mahon	<i>Hartford, Conn.</i>	279 Crown st.
William Frederick Mahon	<i>Hartford, Conn.</i>	64 Lake pl.
William Mills Maltbie, B.A. { Yale University 1901	<i>Granby, Conn.</i>	333 York st.
Burleigh Voorhees Mathews, B.A. { Boston University 1900	<i>Auburndale, Mass.</i>	561 Howard av.
Frederick Benjamin Merrels, B.A. { Yale University 1900	<i>New Haven, Conn.</i>	30 Pearl st.
Maxwell Edwin Merwin	<i>Buffalo, N. Y.</i>	67 Gregory st.
Julius French Miller	<i>Franklin, Pa.</i>	108 High st.
William Thomas Minor	<i>New Haven, Conn.</i>	271 Orange st.
Walter Edward Monagan, B.A. { Holy Cross College 1902	<i>Waterbury, Conn.</i>	120 York st.
Frank Murray Monahan, B.A. { Holy Cross College 1900	<i>Hartford, Conn.</i>	
Frederick William Nuhn	<i>New Haven, Conn.</i>	506 Elm st.
Raymond Baker Oliver, B.S. { Ohio Wesleyan University 1902	<i>Barnesville, O.</i>	76 S. M.

Clifford Herrick Owen, B.A. } Yale University 1902	Garland, N. Y.	1233 Chapel st.
John Black Packer, B.S. } Bucknell University 1902	Sunbury, Pa.	1151 Chapel st.
Harry Merton Paine, PH.B. } Brown University 1902	Providence, R. I.	1151 Chapel st.
William Sumner Pritchard, B.A. } Yale University 1901, M.A. Yale University 1902	Brockton, Mass.	549 P.
Frank Howard Purinton, B.A. } Bates College 1896	Lewiston, Me.	105 Park st.
Harry Hollister Read, PH.B. } Yale University 1901	Bridgeport, Conn.	43 College st.
Davis Salman Rivkin	Hartford, Conn.	269 Portsea st.
Myron Wilbur Robinson	Englewood, N. J.	108 High st.
Charles Cooke Russ, B.A. } Yale University 1902	Hartford, Conn.	265 L.
John Joseph Scanlan, B.A. } Yale University 1902	New Haven, Conn.	184 Mansfield st.
Alexander Randolph Scharton	Hartford, Conn.	76 s. M.
Reverdy Porter Smith	New Haven, Conn.	342 George st.
Carlton William Starbuck	Hartford, Conn.	565 Howard av.
Charles Sternberg, B.A. } Albany College 1902	Albany, Oregon	48 Prince st.
Charles Denison Talcott, B.A. } Yale University 1902	Talcottville, Conn.	37 College st.
Mason Trowbridge, B.A. } Yale University 1902	Chicago, Ill.	333 York st.
Dalbert Earl Twitchell	Spokane, Wash.	260 Crown st.
Godolphin Waldron	Liverpool, England	Wallingford
Joseph Hill Walker, B.A. } Yale University 1902	Fairfield, Tenn.	287 York st.
John Robert Waller	Dubuque, Iowa	130 Wall st.
George Burwell Ward, B.A. } Yale University 1902	Bristol, Conn.	333 York st.
Charles Lewis Watson, PH.B. } Yale University 1902	Indianapolis, Ind.	333 York st.
Clinton Roger Williams	Boothwyn, Pa.	561 Howard ave.
Lon K. Wischart	Palo Alto, Cal.	139 York st.
Charles Killinger Witmer, B.A. } Franklin and Marshall Coll. 1888, M.A. Franklin and Marshall Coll. 1892	Palmyra, Pa.	399 Elm st.
William Jefferson Wynn, B.A. } Mercer University 1897	Eatonton, Ga.	120 High st.
Christian Henry Zoller	New York City	427 Temple st.

## CANDIDATE FOR DEGREE OF B.C.L.

Henry Joseph Patton

*Curwensville, Pa.* 1151 Chapel st.

For DEGREE OF B.C.L., I.

## SPECIAL STUDENTS

Theodore Grafton Case, B.A. } Trinity College 1900	<i>Granby, Conn.</i>	299 York st.
Russell Griswold Colt	<i>Bristol, R. I.</i>	250 York st.
Lewis Crandall	<i>New London, Conn.</i>	1151 Chapel st.
George Clifford Earley	<i>Saratoga Springs, N. Y.</i>	120 York st.
Thomas Joseph Egan	<i>Huntington, L. I., N. Y.</i>	1151 Chapel st.
William Douglas Fitch	<i>Norwich, Conn.</i>	1151 Chapel st.
John Green	<i>Huntington, L. I., N. Y.</i>	1151 Chapel st.
Abram French Morrill	<i>New York City</i>	110 Wall st.
Orsell Cook Price	<i>Jamestown, N. Y.</i>	1151 Chapel st.
William Charles Robinson	<i>Middletown, Conn.</i>	Middletown
Francis P. Rohrmayer	<i>Hartford, Conn.</i>	Hartford
Salvador Zaragoza, B.A. University of San Tomas 1896, B.L. 1902	} <i>Manila, P. I.</i>	120 Dwight st.

SPECIAL STUDENTS, 12

## \*STUDENTS FROM OTHER DEPARTMENTS

George Stanleigh Arnold	<i>New Haven, Conn.</i>	333 WH.
William Brown Arvine	<i>New Haven, Conn.</i>	1169 Chapel st.
Ernest Fairbanks Bacon	<i>Neligh, Nebr.</i>	174 F.
Thorne Baker (1904, Y. C.)	<i>Cincinnati, O.</i>	20 V.
Arthur Charles Becker	<i>Belleville, Ill.</i>	371 WH.
Martin Henry Bergen	<i>Hartford, Conn.</i>	405 B.
James Milton Betts	<i>Newtown, Conn.</i>	85 S. M.
Robert Lounsbury Black	<i>Cincinnati, O.</i>	428 FW.
William Alexander Blount, Jr.	<i>Pensacola, Fla.</i>	49 V.
Charles Arnold Brady	<i>Norwich, Conn.</i>	154 F.
Allen Cleveland Bragaw	<i>Hartford, Conn.</i>	336 WH.
Ralph Howard Burdett	<i>Hartford, Conn.</i>	427 FW.
James Noël Howard Campbell	<i>Hartford, Conn.</i>	396 B.
Loren Russell Carter, Jr.	<i>Waterbury, Conn.</i>	223 D.
Hiram Walter Cramer, B.A. Western College 1902	<i>Bagley, Iowa</i>	79 S. M.
Earle Rosman Crowe	<i>New York City</i>	394 B.
Ephraim Clarence Cushman	<i>Ansonia, Conn.</i>	342 WH.

\*These students, unless otherwise indicated, are Academical Seniors taking the five-hour course in Law.

Merit Lancaster Davidson	<i>New York City</i>	4 v.
Robert Emmet Digney	<i>White Plains, N. Y.</i>	120 High st.
Edward Alfred Donohoe	<i>Lynn, Mass.</i>	372 WH.
Donald Austin Dunham	<i>Hartford, Conn.</i>	68 v.
John Eliason	<i>Chestertown, Md.</i>	387 B.
Nickolaus Louis Engelhardt	<i>Naugatuck, Conn.</i>	355 WH.
John Kuhn Evans (1904, Y. C.)	<i>McKeesport, Pa.</i>	13 v.
Robert Hall Ewell	<i>Washington, D. C.</i>	435 FW.
Peter Elting Farnam (1904, Y. C.)	<i>Port Jervis, N. Y.</i>	59 v.
Martin Cross Fitch	<i>New York City</i>	59 v.
Milton Fluhrer	<i>New York City</i>	466 FW.
William Frew	<i>Pittsburg, Pa.</i>	39 v.
Julius Gans	<i>Chicago, Ill.</i>	425 FW.
Edward Lathrop Gillespie	<i>Stamford, Conn.</i>	434 FW.
William White Gleason	<i>New York City</i>	427 FW.
Charles Douglass Green	<i>New York City</i>	50 v.
Francis Joseph Handel	<i>Buffalo, N. Y.</i>	434 FW.
Harry Friedgen Hartjen	<i>New York City</i>	388 B.
Julian Hartridge	<i>Jacksonville, Fla.</i>	45 v.
Samuel Frank Hedges	<i>Greenport, N. Y.</i>	395 B.
Charles Sumner Holbrook	<i>Jersey City, N. J.</i>	430 FW.
Thomas Hooker, Jr.	<i>New Haven, Conn.</i>	321 W.
Roswell Bishop Hyatt	<i>Meriden, Conn.</i>	251 L.
William Poyntell Johnston	<i>Wilmington, Del.</i>	456 FW.
Nicholas Ridgely Jones	<i>Springfield, Ill.</i>	61 v.
James Barry Kilburn	<i>Malone, N. Y.</i>	436 FW.
Joseph Newcomb Kinney, Jr.	<i>Cincinnati, O.</i>	20 v.
Theodore Twyford Lane	<i>Flushing, N. Y.</i>	45 v.
William Clark Langley	<i>Brooklyn, N. Y.</i>	4 v.
George Sidney Leach	<i>Gloversville, N. Y.</i>	375 WH.
George Everson Leonard	<i>Syracuse, N. Y.</i>	461 FW.
Charles William Littlefield	<i>Rockland, Me.</i>	456 FW.
Robert Rutherford McCormick	<i>Chicago, Ill.</i>	36 v.
John Marshall, B.A.	<i>New Cumberland, W. Va.</i>	385 B.
Bethany College 1902		
Henry Edmund Mills	<i>Columbus, O.</i>	430 FW.
Walter Chafey Moodie	<i>W. Tisbury, Mass.</i>	82 S. M.
Almer Mayo Newhall	<i>San Francisco, Cal.</i>	3 v.
Augustus Kountze Oliver	<i>Pittsburg, Pa.</i>	21 v.
Daniel Lawrence Joseph O'Neill	<i>East Hartford, Conn.</i>	96 S. M.
William Robert Orthwein	<i>St. Louis, Mo.</i>	44 v.
Oscar Columbus Payne, B.A.	<i>Waco, Tex.</i>	381 Crown st.
Baylor University 1902		
Wheeler Hazard Peckham, 2d	<i>New York City</i>	50 v.

John Ferson Putnam	<i>Columbus, O.</i>	1 V.
James William Reynolds	<i>St. Louis, Mo.</i>	43 V.
Samuel Wheaton Rhoads	<i>Wilkes-Barre, Pa.</i>	334 WH.
Joseph Foster Rhodes	<i>Chicago, Ill.</i>	64 V.
Joseph Clinton Roraback	<i>Canaan, Conn.</i>	465 FW.
Arthur Jesse Rosenthal	<i>New York City</i>	319 W.
Joseph Martin Skrabble, B.A.	<i>Elberon, Iowa</i>	79 S. M.
Western College 1902		
Frederic Randolph Stauffer	<i>Reading, Pa.</i>	17 V.
Harry Root Stern	<i>New York City</i>	22 V.
Charles Henry Stoll, Jr.	<i>New York City</i>	1 V.
Theron Roundell Strong	<i>New York City</i>	7 V.
Paul Bailey Sweet, B.A.	<i>Topeka, Kans.</i>	391 B.
Washburn College 1902		
Ralph Huntington Thacher	<i>Albany, N. Y.</i>	13 V.
Donald Thompson	<i>Pittsburg, Pa.</i>	57 V.
Edwin Vivian Thompson	<i>Louisville, Ky.</i>	16 V.
George Jameson Thomson	<i>Wilton, Conn.</i>	466 FW.
Abraham Tulin	<i>Hartford, Conn.</i>	403 B.
Samuel Oakley VanderPoel, Jr.	<i>New York City</i>	65 V.
Douglass VanDyke	<i>Milwaukee, Wisc.</i>	455 FW.
James Reynolds Wait	<i>Auburn, N. Y.</i>	16 V.
Ralph Benford Wakefield	<i>Greenville, Pa.</i>	393 B.
William Durrie Waldron	<i>Upper Montclair, N. J.</i>	336 WH.
George Augustine Washington, 2d	<i>Wessynton, Tenn.</i>	20 V.
George Unangst Wenner	<i>Ogden, Utah</i>	409 B.
William Otis White	<i>Terre Haute, Ind.</i>	42 V.
William Ladd Winch	<i>Holyoke, Mass.</i>	174 F.
Howard Spencer Woodward, B.A.	<i>Warren, O.</i>	413 B.
Hiram College 1902		

STUDENTS FROM OTHER DEPARTMENTS, 86

### SUMMARY

GRADUATES	9
SENIOR CLASS	72
MIDDLE CLASS	63
JUNIOR CLASS	96
FOR DEGREE OF B.C.L.	1
SPECIAL STUDENTS	12
REGULAR STUDENTS	253
STUDENTS FROM OTHER DEPARTMENTS	86
TOTAL UNDER INSTRUCTION,	339

## COURSES FOR TEACHERS

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Frank H. Beede, B.A.  
 Elizabeth E. Bickford  
 Emma E. Blake  
 Mary N. Blatchley  
 Lillian E. Bradley  
 Katharine A. Brennan  
 Sarah E. Briggs  
 Fred L. Burnham  
 Mary R. Burwell  
 Ellen E. Carr  
 Hannah M. Chamberlain  
 Lillie M. Chillingworth  
 Lillian R. Conant  
 Carrie A. Crittenden  
 Edna C. Dailey  
 Lillian E. Daniels  
 Susan L. Davis  
 Lucretia H. Dayton  
 Helen C. Doolittle  
 Mary E. Egan  
 Carrie S. Ferris  
 Henrietta Feuchtwanger  
 Maude E. Field  
 Margaret Galbraith  
 Elizabeth E. Gessner  
 Sherman I. Graves, B.A.  
 Jennie L. Griswold  
 Jessie E. Guernsey  
 Agnes L. Hall  
 Ellen L. Hall  
 Anna S. Hart  
 Josephine A. Hayes  
 Helen M. Higgins  
 Ellen Hill  
 Alice C. Hoster  
 Harry Houston  
 Francis S. Hyde  
 Susan B. Kinner

*New Haven, Conn.* 424 Temple st.  
*New Haven, Conn.* 59 Grove st.  
*New Haven, Conn.* 347 Sherman av.  
*New Haven, Conn.* 219 Blatchley av.  
*New Haven, Conn.* 69 Howe st.  
*New Haven, Conn.* 248 Chapel st.  
*New Haven, Conn.* 92 Clark st.  
*New Haven, Conn.* 101 Avon st.  
*New Haven, Conn.* 771 Orange st.  
*New Haven, Conn.* 465 Congress av.  
*New Haven, Conn.* 47 Park st.  
*New Haven, Conn.* 47 Stanley st.  
*Hartford, Conn.* Hartford  
*New Haven, Conn.* 102½ Park st.  
*New Haven, Conn.* 174 Grand av.  
*New Haven, Conn.* 14 Gregory st.  
*New Haven, Conn.* 361 George st.  
*New Haven, Conn.* 45 Edgewood av.  
*New Haven, Conn.* 45 Edgewood av.  
*New Haven, Conn.* 20 Pearl st.  
*New Haven, Conn.* 518 George st.  
*New Haven, Conn.* 83 Sachem st.  
*New Haven, Conn.* 26 Lynwood pl.  
*New Haven, Conn.* 178 Blatchley av.  
*New Haven, Conn.* 150 Bradley st.  
*New Haven, Conn.* 186 Grand av.  
*New Haven, Conn.* 29 Clinton av.  
*New Britain, Conn.* New Britain  
*New Haven, Conn.* 38 Lynwood pl.  
*New Haven, Conn.* 74 Lake pl.  
*New Haven, Conn.* 38 Howe st.  
*New Haven, Conn.* 600 Grand av.  
*New Haven, Conn.* 222 Sherman av.  
*New Haven, Conn.* 37 Howe st.  
*New Haven, Conn.* 102½ Park st.  
*New Haven, Conn.* 403 Edgewood av.  
*New Haven, Conn.* 21 Whalley av.  
*West Haven, Conn.* West Haven

Clara A. Klebe	<i>New Haven, Conn.</i>	179 Portsea st.
Junius C. Knowlton, B.A.	<i>New Haven, Conn.</i>	88 Howe st.
Adelaide Lambert, M.D.	<i>New Haven, Conn.</i>	263 Orange st.
John G. Lewis	<i>New Haven, Conn.</i>	438 George st.
Elizabeth C. Logan	<i>New Haven, Conn.</i>	483 East st.
Mary A. McFarland	<i>New Haven, Conn.</i>	287 Willow st.
Luthera A. Mansfield	<i>New Haven, Conn.</i>	120 High st.
Jennie R. Messer	<i>New Haven, Conn.</i>	1162 Chapel st.
Marion A. Murphy	<i>New Haven, Conn.</i>	27 Asylum st.
Mary E. Musson	<i>New Haven, Conn.</i>	102½ Park st.
Jennie F. Nash	<i>New Haven, Conn.</i>	40 Whalley av.
Louis P. Nash	<i>Holyoke, Mass.</i>	Holyoke
Wilbur F. Nichols, B.A.	<i>New Haven, Conn.</i>	31 Livingston st.
Jane Noy	<i>New Haven, Conn.</i>	568 Chapel st.
Mary B. Nutting	<i>New Haven, Conn.</i>	1151 Chapel st.
Caroline A. Parsons	<i>New Haven, Conn.</i>	196 Blatchley av.
Edythe G. Peck, B.A.	<i>Westville, Conn.</i>	Westville
Juliet E. Peck	<i>Westville, Conn.</i>	Westville
Erma I. Pratt	<i>New Haven, Conn.</i>	114 Dwight st.
Alice E. Reynolds	<i>West Haven, Conn.</i>	West Haven
Nellie J. Riggs	<i>New Haven, Conn.</i>	252 Orchard st.
Edith S. Roswell	<i>Milford, Conn.</i>	Milford
Susan Sanford	<i>New Haven, Conn.</i>	216 Crown st.
Jessie I. Scranton	<i>New Haven, Conn.</i>	114 Lawrence st.
Lyla M. Scranton	<i>New Haven, Conn.</i>	114 Lawrence st.
Kate F. Smith	<i>New Haven, Conn.</i>	339 George st.
Minnie H. Smith	<i>West Haven, Conn.</i>	West Haven
Nellie H. Story	<i>New Haven, Conn.</i>	8 Pine st.
Blanche Thompson	<i>New Haven, Conn.</i>	501 Elm st.
Anna S. Tobin	<i>Naugatuck, Conn.</i>	Naugatuck
Adeline S. Wallace	<i>West Haven, Conn.</i>	West Haven
Jennie M. Waugh	<i>New Haven, Conn.</i>	559 Howard av.
M. Rachel Webster	<i>New Haven, Conn.</i>	38 Howe st.
Elizabeth E. Weissbarth	<i>New Haven, Conn.</i>	186 Exchange st.
Gertrude F. White	<i>New Haven, Conn.</i>	364 George st.
Elizabeth F. Whitney	<i>New Haven, Conn.</i>	800 Whitney av.
Henrietta Whitney	<i>New Haven, Conn.</i>	800 Whitney av.
Emma R. Wright	<i>New Haven, Conn.</i>	25 Whalley av.
Leila M. Wurm	<i>Bridgeport, Conn.</i>	Bridgeport



# GENERAL SUMMARY

## OFFICERS

PROFESSORS, including other University Officers	-	110
ASSISTANT PROFESSORS	- - -	35
INSTRUCTORS, including Tutors, Lecturers, etc.	-	121
ASSISTANTS IN INSTRUCTION	- - -	52
ASSISTANTS IN ADMINISTRATION	- - -	51
Total		<u>369</u>

## \*STUDENTS

### DEPARTMENT OF PHILOSOPHY AND THE ARTS:

GRADUATE SCHOOL	- - -	346	346
YALE COLLEGE	- - -	1205	1205
SHEFFIELD SCIENTIFIC SCHOOL	-	738	792
SCHOOL OF THE FINE ARTS	- -	29	302
DEPARTMENT OF MUSIC	- -	47	107
FOREST SCHOOL	- - -	40	66
		<u>2405</u>	
YALE DIVINITY SCHOOL	- - -	112	112
YALE MEDICAL SCHOOL	- - -	145	145
YALE LAW SCHOOL	- - -	253	339
		<u>2915</u>	
Deduct for names inserted twice	-	190	
		<u>2725</u>	
TOTAL UNIVERSITY REGISTRATION	-	2725	
SUMMER SCHOOL OF FORESTRY	- -	19	
COURSES FOR TEACHERS	- -	77	
		<u>2821</u>	
Deduct for Summer School students enrolled in other Departments		5	
		<u>2816</u>	
TOTAL RECEIVING INSTRUCTION	-	2816	

\*The first column gives the regular enrollment, the second column the total number of students receiving instruction. The latter is added to show the character and extent of inter-departmental coöperation.

# SUMMARY OF STUDENTS

## BY STATES

Alabama . . . . .	8	Missouri . . . . .	56
Arkansas . . . . .	3	Montana . . . . .	6
California . . . . .	26	Nebraska . . . . .	8
Colorado . . . . .	22	New Hampshire . . . . .	7
Connecticut . . . . .	887	New Jersey . . . . .	104
Delaware . . . . .	8	New York . . . . .	569
District of Columbia . . . . .	24	North Carolina . . . . .	5
Florida . . . . .	4	Ohio . . . . .	115
Georgia . . . . .	15	Oklahoma . . . . .	3
Hawaii . . . . .	16	Oregon . . . . .	12
Idaho . . . . .	1	Pennsylvania . . . . .	193
Illinois . . . . .	111	Philippine Islands . . . . .	1
Indiana . . . . .	30	Rhode Island . . . . .	33
Indian Territory . . . . .	1	South Carolina . . . . .	3
Iowa . . . . .	25	South Dakota . . . . .	3
Kansas . . . . .	21	Tennessee . . . . .	25
Kentucky . . . . .	16	Texas . . . . .	9
Louisiana . . . . .	8	Utah . . . . .	4
Maine . . . . .	17	Vermont . . . . .	18
Maryland . . . . .	17	Virginia . . . . .	7
Massachusetts . . . . .	144	Washington . . . . .	4
Michigan . . . . .	27	West Virginia . . . . .	2
Minnesota . . . . .	30	Wisconsin . . . . .	16
Mississippi . . . . .	3		

Armenia . . . . .	1	England . . . . .	2
Asia Minor . . . . .	3	Greece . . . . .	1
Australia . . . . .	1	India . . . . .	1
British West Indies . . . . .	1	Japan . . . . .	25
Burmah . . . . .	1	Mexico . . . . .	1
Canada . . . . .	4	New Zealand . . . . .	1
Chili . . . . .	1	Nova Scotia . . . . .	7
China . . . . .	2	Sweden . . . . .	1
Cuba . . . . .	2	Turkey . . . . .	2

# SUMMARY OF STUDENTS

## BY CITIES

[Cities represented by five or more students only are mentioned.]

Albany . . . . .	22	Montclair . . . . .	14
Allegheny . . . . .	9	Morristown . . . . .	9
Ansonia . . . . .	24	Newark . . . . .	8
Auburn . . . . .	17	New Britain . . . . .	13
Baltimore . . . . .	14	New Haven . . . . .	321
Boston . . . . .	16	New London . . . . .	16
Branford . . . . .	9	New Orleans . . . . .	5
Bridgeport . . . . .	61	New York . . . . .	192
Bristol . . . . .	7	Norwalk . . . . .	11
Brooklyn . . . . .	65	Norwich . . . . .	19
Buffalo . . . . .	30	Philadelphia . . . . .	19
Chicago . . . . .	68	Pittsburg . . . . .	33
Cincinnati . . . . .	24	Pittsfield . . . . .	7
Cleveland . . . . .	32	Plainfield . . . . .	9
Columbus . . . . .	18	Providence . . . . .	21
Denver . . . . .	17	Rochester . . . . .	12
Derby . . . . .	11	Rome (N. Y.) . . . . .	5
Detroit . . . . .	13	St. Joseph . . . . .	6
East Orange . . . . .	10	St. Louis . . . . .	18
Evanston . . . . .	10	St. Paul . . . . .	19
Flushing . . . . .	5	Savannah . . . . .	8
Gloversville . . . . .	5	Scranton . . . . .	9
Grand Rapids . . . . .	5	Sewickley . . . . .	5
Hartford . . . . .	79	Seymour . . . . .	6
Holyoke . . . . .	7	Springfield (Mass.) . . . . .	17
Honolulu . . . . .	11	Stamford . . . . .	8
Indianapolis . . . . .	9	Syracuse . . . . .	10
Jersey City . . . . .	5	Tokyo (Japan) . . . . .	8
Kansas City . . . . .	14	Toledo . . . . .	9
Linsborg . . . . .	5	Washington . . . . .	23
Litchfield . . . . .	5	Waterbury . . . . .	38
Louisville . . . . .	7	Westfield . . . . .	5
Meriden . . . . .	30	Wilkes-Barré . . . . .	8
Middletown . . . . .	7	Wilmington . . . . .	9
Milwaukee . . . . .	6	Worcester . . . . .	9
Minneapolis . . . . .	6	Yonkers . . . . .	10

# SUMMARY OF STUDENTS

## BY DEGREES REPRESENTED

Acadia University . . .	10	Doane College . . .	1
Adelbert College . . .	2	Doshisha College . . .	6
Adrian College . . .	1	Drake University . . .	4
Albany College . . .	1	Drury College . . .	2
Albion College . . .	1	Earlham College . . .	1
Amherst College . . .	15	Emory College . . .	1
Anatolia College . . .	2	Euphrates College . . .	1
Augsburg Seminary . . .	1	Eureka College . . .	1
Augustana College . . .	3	Fisk University . . .	1
Baker College . . .	1	Florida State Agricultural	
Baltimore City College . .	2	College . . .	1
Bangor Theological Sem-		Florida University . . .	1
inary . . .	1	Franklin and Marshall	
Bates College . . .	3	College . . .	3
Baylor University . . .	3	French-American College	1
Beloit College . . .	6	General Theological Sem-	
Bethany College . . .	13	inary . . .	1
Boston University . . .	5	Gettysburg College . . .	2
Bowdoin College . . .	3	Grove City College . . .	1
Brown University . . .	10	Hamlin College . . .	1
Bucknell University . . .	1	Hampden Sidney College	1
Central College . . .	2	Hanover College . . .	1
Chicago University . . .	1	Harvard University . . .	9
Coe College . . .	1	Highland College . . .	2
Colby College . . .	2	Hiram College . . .	1
Colorado College . . .	4	Holy Cross College . . .	2
Columbia University . . .	5	Howard University . . .	1
Columbian University . . .	1	Illinois College . . .	1
Connecticut Agricultural		Imperial University of	
College . . .	1	Japan . . .	1
Cornell University . . .	1	Indiana University . . .	1
Cumberland University . .	1	Indianapolis College of	
Dartmouth College . . .	5	Law . . .	1
Denver University . . .	1	Iowa State University . .	1
De Pauw University . . .	3	Johns Hopkins University	2

Kansas State Agricultural College . . . . .	1	Oklahoma Agricultural and Mechanical College . . . . .	1
Keiogijiku University . . . . .	4	Olivet College . . . . .	5
Kentucky University . . . . .	1	Ontario University . . . . .	1
King Hall Theological School . . . . .	1	Oregon Agricultural College . . . . .	1
Knox College . . . . .	1	Otterbein University . . . . .	1
Kumamoto College . . . . .	1	Pacific College . . . . .	1
Laval University . . . . .	1	Pacific Theological Seminary . . . . .	1
Lebanon Valley College . . . . .	3	Pennsylvania State College . . . . .	1
Leland Stanford, Jr. University . . . . .	3	Pomona College . . . . .	2
Lincoln University . . . . .	4	Princeton University . . . . .	2
Marietta College . . . . .	3	Radcliffe College . . . . .	1
Massachusetts College of Pharmacy . . . . .	1	Randolph-Macon College . . . . .	2
Mercer University . . . . .	1	Rhode Island State College . . . . .	1
Michigan Agricultural College . . . . .	1	Rochester Theological Seminary . . . . .	1
Missouri Valley College . . . . .	3	Rutgers College . . . . .	2
Montana State College . . . . .	1	St. Lawrence Divinity School . . . . .	1
Moravian College . . . . .	2	St. Lawrence University . . . . .	1
Mt. Holyoke College . . . . .	5	St. Paul's Institute, Tarsus . . . . .	1
National Normal University . . . . .	3	Smith College . . . . .	2
National Women's University . . . . .	1	State University of Iowa . . . . .	5
New Hampshire College of Agriculture . . . . .	1	Stevens Institute of Technology . . . . .	1
Newton Theological Institute . . . . .	1	Syracuse University . . . . .	2
New Zealand Presbyterian Theological College . . . . .	1	Talladega College . . . . .	2
Northwestern University . . . . .	1	Tarkio College . . . . .	2
North Texas Normal College . . . . .	1	Taylor University . . . . .	1
Norwich University . . . . .	1	Tientsin University . . . . .	1
Nya Elementarskolan, Stockholm . . . . .	1	Tokyo English Law School . . . . .	1
Oberlin College . . . . .	6	Tokyo Semmon Gakko . . . . .	2
Oberlin Theological Seminary . . . . .	1	Trinity College, Hartford . . . . .	6
Ohio State University . . . . .	2	Trinity College, Japan . . . . .	1
Ohio Wesleyan University . . . . .	1	Trinity College, Toronto . . . . .	1
		Tufts College . . . . .	1
		Union Theological Seminary . . . . .	2
		Union University . . . . .	4

University of Alabama .	1	University of Wooster .	3
University of Buffalo .	1	Upsala University . .	1
University of California .	8	Valparaiso College . .	1
University of Cincinnati .	1	Vassar College . . .	6
University of Colorado .	2	Waseda University . .	1
University of Georgia .	1	Washburn College . .	1
University of Idaho . .	1	Wellesley College . .	4
University of Kansas .	4	Wells College . . .	1
University of Maryland .	1	Wesleyan University .	11
University of Michigan .	1	Western College, Iowa .	4
University of Minnesota .	2	Western Maryland Col-	
University of Missouri .	2	lege . . . . .	2
University of Nashville .	1	Western Reserve Women's	
University of Nebraska .	5	College . . . . .	1
University of New Zealand	1	Western Reserve Univer-	
University of Oregon .	1	sity . . . . .	7
University of Rochester .	2	Williams College . .	3
University of San Tomas .	1	Worcester Polytechnic	
University of Toronto .	4	Institute . . . . .	1
University of Washington	2	Yale University . . .	265
University of West Virginia	1	Yankton College . . .	1
University of Wisconsin .	1		

# DIRECTORY

The name of every officer is printed in italics. The following abbreviations are used :

A., Absent on leave; B., Berkeley Hall; B. L., Sheffield Biological Laboratory; D., Durfee Hall; E. D., East Divinity Hall; F., Farnam Hall; FW., Fayerweather Hall; GYM., Gymnasium; L., Lawrance Hall; M., Peabody Museum; N. S. H., North Sheffield Hall; O., Osborn Hall; P., Pierson Hall; S. H., Sheffield Hall; S. L., Sheffield Chemical Laboratory; V., Vanderbilt Hall; W., Welch Hall; W. D., West Divinity Hall; WH., White Hall; WINCH., Winchester Hall; WOOD., Woodbridge Hall.

The names of students are followed by the designations of their several classes (Grad., Graduate; Sr., Senior; Mid., Middle; Jr., Junior; 2, Second Year; 1, First Year; So., Sophomore; Fr., Freshman; Spec., Special); the names of students have appended also an indication of the Department to which each belongs, viz.: *a*, Academical Department; *d*, Divinity School; *f*, School of the Fine Arts; *for.*, Forest School; *g*, Graduate School; *l*, Law School; *m*, Medical School; *mus.*, Department of Music; *s*, Sheffield Scientific School; *s for.*, Summer School of Forestry; *t*, Courses for Teachers.

Aaronson, A., Jr. <i>l</i>	128 Washington av.	Adams, J. C., Tutor (pp. 28, 107, 110)	75 Mansfield st.
Abbe, H. A., Fr. <i>s</i>	409 Temple st.	Adams, S. F., Jr., Spec. <i>s</i>	17 Hillhouse av.
Abbott, A. R., So. <i>a</i>	93 S. M.	Addoms, M. C., Fr. <i>a</i>	22 College st.
Abbott, W. L., Jr., Spec. <i>s</i>	17 Hillhouse av.	Adler, S., Fr. <i>s</i>	130 Howe st.
Abe, Y., <i>g</i> , Grad. <i>d</i>	691 W. D.	Adrian, W. M., <i>g</i>	387 Temple st.
Abel, G. F., <i>g</i>	647 E. D.	Aimes, H. H. S., <i>g</i>	West Haven
Ackerman, L. S., Mid. <i>l</i>	1151 Chapel st.	Akerman, A., Instr. (pp. 28, 127, 385, 388)	1193 Chapel st.
Ackert, F., Fr. <i>a</i>	254 Crown st.	Alcott, C. B., Fr. <i>s</i>	397 Temple st.
Ackley, J. D., Jr. <i>a</i>	299 York st.	Alden, C. S., Ass't. (p. 35)	139 Dwight st.
Adams, A., <i>g</i>	65 York st.	Alden, G. H. W., Fr. <i>a</i>	238 York st.
Adams, C. E., Jr. <i>a</i>	34 V.	Alderman, S., Mid. <i>l</i>	20 Dow st.
Adams, E. B., Mid. <i>d</i>	673 W. D.	Aldrich, C. R., Sr. <i>a</i>	331 WH.
Adams, F. B., Sr. <i>l</i>	61 Wolcott st.	Aldrich, R. S., Fr. <i>a</i>	217 York st.
Adams, F. L., So. <i>a</i>	469 FW.	Alexander, C. F., Sr. <i>s</i>	120 College st.
Adams, F. M., I <i>m</i>	483 Orange st.	Alexander, H. G., Fr. <i>s</i>	391 Temple st.
Adams, G. B., Prof. (pp. 20, 139, 143, 291, 295)	57 Edgehill road	Alexander, J. R., Jr. <i>l</i>	1044 Chapel st.
Adams, G. W., Jr. <i>a</i>	316 W.	Allen, A. W., Jr. <i>a</i>	283 W.
Adams, I. C., Jr. <i>l</i>	34 Lynwood pl.	Allen, E. S., Jr. <i>s</i>	73 Kensington st.

- Allen, H. B., Jr. *s* 117 Wall st.  
 Allen, H. S., Jr. *m* 111 Edgewood av.  
 Allen, H. T., Fr. *a* 155 Elm st.  
 Allen, M. Adèle, *g* 83 Grove st.  
 Allen, May A., *g* 79 Lake pl.  
 Alling, A. N., Prof. (p. 23) 199 York st.  
 Alling, M. E., Jr. *d* 145 Franklin st.  
 Allison, J. H., Fr. *s* 277 Crown st.  
 Alofsin, L. M., *i m* 363 WH.  
 Alsop, F. J. O., Sr. *a* 57 v.  
 Alsop, R. D., Fr. *s* 110 Wall st.  
 Amerman, G. L., Registrar (p. 28) (1 s. H.) 339 Humphrey st.  
 Amick, R. W., Sr. *l, f* 297 George st.  
 Andel, C. E., Jr. *l* 706 W. D.  
 Anderson, C. M., Jr. *a* 240 D.  
 Anderson, Mrs. E., Matron Infirmary (p. 38) 276 Prospect st.  
 Anderson, E. A., Fr. *a* 161 F.  
 Anderson, E. C., Sr. *s* 120 College st.  
 Anderson, G. W., Jr. *a* 261 L.  
 Anderson, I. L., Mid. *l* 1010 Chapel st.  
 Anderson, J., Fellow Waterbury  
 Anderson, J. B., Sr. *for.* 113 Division st.  
 Anderson, L., Sr. *a* 210 Prospect st.  
 Anderson, R. M., Fr. *a* 585 P.  
 Anderson, T. B., So. *a* 261 L.  
 Anderson, W. G., Assoc. Director (pp. 25, 156) (GYMN.) 96 Park st.  
 Anderson, W. L., *i m* 96 Park st.  
 Andrew, I. A., Sr. *s* Orange  
 Andrews, A. W., Fr. *a* 242 York st.  
 Andrews, C. E., Fr. *a* 216 D.  
 Andrews, C. T., Sr. *a* 445 FW.  
 Andrews, T., Sr. *a* 433 FW.  
 Andruss, W. I., *g, mus.* 333 Crown st.  
 Angus, A. C., *g* GYMN.  
 Appleton, J., *g, Jr. for.* 78 Lake pl.  
 Archbald, H., Sr. *a* 423 FW.  
 Arlt, F. W., 2 *m* 587 State st.  
 Arms, G. T., Fr. *a* 248 York st.  
 Armstead, G. B., Fr. *s* West Haven  
 Armstrong, H. W., So. *a* 155 Elm st.  
 Armstrong, J. P. T., Jr. *a* 1076 Chapel st.  
 Armstrong, N., Fr. *s* 122 Wall st.  
 Armstrong, W. P., Fr. *a* 287 York st.  
 Arnold, B., Jr., Sr. *s* 131 Grove st.  
 Arnold, E. H., Instr. (p. 28) 46 York sq.  
 Arnold, G. S., Sr. *a* 333 WH.  
 Arnold, H. S., Sr. *m* 36 Dwight st.  
 Arnold, Lemuel H., Jr., Jr. *a* 163 F.  
 Arnold, Louis H., Jr. *a* 277 L.  
 Arnold, W. B., Fr. *s* 421 Temple st.  
 Arnstein, H. N., So. *a* 42 College st.  
 Arshag, D. M. G., *g* 95 Goffe st.  
 Arterburn, W. N., Jr. *a* 354 WH.  
 Arvine, E. K., Sr. *s* 1169 Chapel st.  
 Arvine, W. B., Sr. *a* 1169 Chapel st.  
 Aston, A., So. *a* 151 F.  
 Atha, L. M., Fr. *a* 22 College st.  
 Atwater, H. H., So. *a* 24 Home pl.  
 Atwater, M., Sr. *a* 459 FW.  
 Atwill, D. H., Sr. *a* 344 WH.  
 Auchincloss, C. C., Sr. *a* 432 FW.  
 Auchincloss, C. R., Sr. *a* 432 FW.  
 Augur, H. B., *g* A.  
 Averill, E. L., Mid. *l* 419 Lenox st.  
 Ayer, W. T., Sr. *s* 8 Prospect pl.  
 Ayers, J. E., Fr. *a* 538 P.  
 Ayres, R. W., Sr. *s* 120 College st.  
 Azhderian, R. B., Jr. *s* 227 Crown st.  
 Babcock, B. E., *s for.* A.  
 Babcock, C. W., Sr. *s* 111 Grove st.  
 Babcock, H. D., Jr., Fr. *a* 250 York st.  
 Babcock, H. J., Fr. *s* 1169 Chapel st.  
 Bacon, A. W., Sr. *s* 17 Hillhouse av.  
 Bacon, B. W., Prof. (pp. 22, 92, 406) (610 E. D.) 244 Edwards st.  
 Bacon, E. F., Jr. *a* 174 F.  
 Bacon, F., Lect. (p. 28) 32 High st.  
 Bacon, L. W., Jr., Instr. (p. 28) 294 Elm st.  
 Bacon, W. T., Fr. *a* 231 York st.  
 Bailey, E. M., Jr., *g* 297 York st.  
 Bailey, F. S., Jr. *s* 1 Hillhouse av.  
 Bailey, G. F., Sr. *d* Westbrook  
 Bailey, H. E., Fr. *s* Derby  
 Bailey, J. H., Sr. *m* 837 Grand av.  
 Bailey, M., Instr. (p. 28) (150 F.) 442 Temple st.  
 Bailey, R. T., Fr. *s* 110 Wall st.  
 Bailey, W. B., Instr. (pp. 28, 145, 147, 151, 288, 417) 22 Lynwood pl.  
 Baker, A. B., Fr. *a* 208 D.  
 Baker, E. M., Sr. *s* 111 Grove st.  
 Baker, G. M., Instr. (pp. 28, 100) 126 High st.  
 Baker, H. P., *g, Jr. for.* 78 Lake pl.  
 Baker, T., Sr. *a* 20 v.  
 Baldwin, B. J., Sr. *a, Jr. d* 79 Howest.  
 Baldwin, C. F., *mus.* Milford  
 Baldwin, C. S., Ass't. Prof. (pp. 25, 106) (15 WH.) 57 Wall st.



*Baldwin, E. H., Lect.* (pp. 28, 297)  
 150 Grove st.  
*Baldwin, F. C., So. a* 444 FW.  
*Baldwin, G. H., Fr. s* 133 College st.  
*Baldwin, M. S., Fr. s* 110 Wall st.  
*Baldwin, S. E., Prof.* (pp. 19, 146)  
 (69 Church st.) 44 Wall st.  
*Baldwin, S. W., Jr. a* 176 F.  
*Ballou, N. P., Jr. s* 96 Wall st.  
*Bamberger, L. E., So. a* 211 D.  
*Bancroft, C. K., Tutor* (pp. 28, 80,  
 81) 213 D.  
*Bangs, H. C., Sr. l* 1151 Chapel st.  
*Banigan, J. H., Mid. l* 1151 Chapel st.  
*Banks, C. H., Fr. a* 217 York st.  
*Barber, E. J., So. a* 231 D.  
*Barber, W. L., Jr., Sr. a* 440 FW.  
*Barber, W. M., Fr. s* 126 High st.  
*Barbour, H. J., Jr. a* 345 WH.  
*Barbour, I. R., mus.* Meriden  
*Barclay, J. T., g* 61 Park st.  
*Bardwell, S. A., Jr. s* 337 Orange st.  
*Barkalow, R. V., Jr. s* 96 Wall st.  
*Barlow, H. D., Fr. s* 126 Wall st.  
*Barlow, W. M., So. a* 280 L.  
*Barnes, B., Jr., Fr. s* 395 Temple st.  
*Barnes, C. A., Jr. a* 166 F.  
*Barnes, H. A., Sup't.* (p. 38)  
 (rear Herrick Hall) 80 Admiral st.  
*Barnes, M., Jr. s* 111 Grove st.  
*Barnes, W. S., Ass't.* (p. 35)  
 332 Howard av.  
*Barney, J. E., Fr. s* 110 Wall st.  
*Barney, S. E., Ass't. Prof.* (pp. 25,  
 385) 346 Whitney av.  
*Barnum, T. R., Ass't.* (p. 38)  
 (wood.) 344 Humphrey st.  
*Barnum, W. H., Jr. s* 1 Hillhouse av.  
*Barnwell, A., Jr. l* 131 Grove st.  
*Baron, J. J., Sr. m*  
*Barr, J., Mid. l* 112 Whalley av.  
*Barr, W. H., i m* 112 Whalley av.  
*Barrett, L. J., Machinist* (p. 38)  
 86 Pearl st.  
*Barrett, W. F., Jr. s* 96 Wall st.  
*Barrows, R. W., Jr. l* 126 High st.  
*Barry, T. F., Jr. a*  
 226 Washington av.  
*Bartholomew, G. H., Sr. l*  
 225 Sherman av.  
*Bartlett, A. H., g* 276 Crown st.  
*Bartlett, C. J., Prof.* (p. 24)  
 96 Sherman av.  
*Bartlett, H. M., Fr. a* 587 P.

*Bartlett, H. S., mus.* 82 Whalley av.  
*Bartlett, S. C., So. a* 328 W.  
*Bartlett, W. D., So. a* 348 WH.  
*Barton, H. A., Sr. d* 641 E. D.  
*Barton, L. C., Fr. a* 598 P.  
*Bassett, S. E., Instr.* (pp. 28, 83)  
 40 Whalley av.  
*Batchelder, H. S., Jr. l* 237 York st.  
*Bates, C. W., Fr. s* 126 Wall st.  
*Bates, H. I., Spec. s* 237 York st.  
*Bates, L. W., Jr., Jr. s* 17 Hillhouse av.  
*Bates, W. C., Sr. s* 113 Wall st.  
*Bauby, F. C., Jr. l* 120 York st.  
*Bauer, E. T., Mid. l* 43 College st.  
*Baur, P. V. C., Instr.* (pp. 28, 86)  
 74 Lake pl.  
*Bausman, T. F., Fr. a* 131 F.  
*Bawden, W. H., g, Grad. d*  
 185½ Dixwell av.  
*Baxter, H., Fr. a* 250 Crown st.  
*Baxter, W., Jr., Fr. a* 599 P.  
*Bayles, J. M., Sr. s* 114 High st.  
*Bayne, H. A., g* A.  
*Beach, C. T., 2 m* 388 Crown st.  
*Beach, F. E., Ass't. Prof.* (p. 25)  
 44 Lyon st.  
*Beach, F. H., Fr. a* 231 York st.  
*Beach, H. K., Jr. s* 137 Dwight st.  
*Beal, H., Fr. a* 387 Crown st.  
*Bean, W. H., Sr. m* 40 Pleasant st.  
*Beard, A. F., Fellow* Norwalk  
*Beardslee, R. A., So. a* 231 D.  
*Beardsley, C. R., Fr. s* 152 Temple st.  
*Beardsley, F. B., Sr. s* 41 Howe st.  
*Beardsley, G., Sr. a* 337 WH.  
*Beardsley, H. J., Sr. l* 41 Howe st.  
*Beardsley, T. H., Jr. a* 306 W.  
*Beck, F. G., Sr. m* 109 York st.  
*Becker, A. C., Sr. a* 371 WH.  
*Becker, F. G., Fr. s* 119 Grove st.  
*Beebe, G. A., g* 23 Prince st.  
*Beebe, G. E., Jr. a* 320 W.  
*Beebe, P. S., Fr. s* 262 Bradley st.  
*Beebe, S. P., g* 22 Tilton st.  
*Beebe, W., Prof.* (pp. 20, 114)  
 262 Bradley st.  
*Beecher, C. E., Prof.* (p. 21)  
 (9 M.) 610 Orange st.  
*Beecher, L. T., mus.* Bethany  
*Beede, F. H., t* 424 Temple st.  
*Beers, G. E., Ass't. Prof.* (p. 25)  
 (15 Hendrie Hall) 31 Lake pl.  
*Beers, G. M., Clerk* (p. 38)  
 (3 S. H.) 130 Cottage st.

*Beers, H. A., Prof.* (pp. 19, 108, 111)  
(171 F.) 25 Vernon st.

Behr, M. H., Fr. s 405 Temple st.

Belcher, N., Sr. l 1151 Chapel st.

Bell, C. H., Jr. l 1081 Chapel st.

Bell, H. F., Jr. d 648 E. D.

Bendell, J. L., Sr. a 417 B.

Benedict, H. H., Fr. a 77 S. M.

Benedict, M. K., g 84 Wall st.

Benedict, R. C., Jr. a 77 S. M.

Benham, A. R., g 119 Park st.

Benham, H. E., Sr. s 142 Greene st.

*Benjamin, G. G., Ass't.* (p. 35)  
685 W. D.

Benjamin, S. H., Jr. s 110 Wall st.

Bennethum, C. G., Sr. a 3 v.

Bennett, E. B., Jr. s 133 Wall st.

Bennett, J. J., Jr. l 237 York st.

Bennett, R. B., Fr. a 91 S. M.

Bennett, S. A., g 666 W. D.

*Bennett, T. G., Trustee S. S. S.*  
(pp. 192, 503) Prospect st.

Benson, A., Jr. s 17 Hillhouse av.

Bent, W. W., Jr. l 231 York st.

Bentley, C., Mid. l 53 Lake pl.

Bentley, J., Jr. s for. A.

Bentley, J. E., So. a 260 L.

Benton, J. H., Sr. a 369 W. H.

Bergen, M. H., Sr. a 405 B.

Berman, B., Mid. l 41 Broad st.

Berman, P., Sr. a 146 F.

Bernstein, J., Jr. s 16 Dow st.

Berry, J. P. K., Jr. s 117 Wall st.

Bettes, J. M., Jr. s 17 Hillhouse av.

*Betts, H. S., Engineer* (p. 375)  
Marsh Hall

Betts, J. M., Sr. a 85 S. M.

Beyer, C. E., Jr. a  
New Haven Hospital

Bickford, E. E., t 59 Grove st.

Bickley, G. T., Sr. l 159 Elm st.

Bidwell, C. H., So. a 94 S. M.

*Bierkan, A. T., Instr.* (p. 28)  
(42 Church st.) 138 Lawrence st.

Bigelow, O. M., Jr., Jr. a 252 L.

Bill, A. H., Sr. a 339 W. H.

Billings, O. J., Jr. d 690 W. D.

Bingham, S. D., Jr., Jr. a 176 F.

Binkerd, R. S., Jr. s 668 W. D.

Bisbee, E. S., 2 m 404 Crown st.

Bishop, A. L., Sr. a 78 Lake pl.

Bishop, C. T., Sr. s 114 High st.

*Bishop, F. C., Ass't.* (p. 35)  
1223 Chapel st.

*Bishop, L. B., Instr.* (p. 28)

356 Orange st.

Bissell, A. D., Jr., Fr. a 534 P.

Bissell, L. F., Jr. s 1 Hillhouse av.

Black, F. L., Jr. s 78 Lake pl.

Black, J. E., Sr. s 114 High st.

Black, R. L., Sr. a 428 F. W.

Blackman, A. W., So. a 282 L.

Blackwell, H. D., g 3 Sylvan av.

Blagden, T., Jr., Jr. s 133 College st.

Blair, C. M., Jr. s 14 Gilbert av.

Blaisdell, A. G., Sr. a 410 B.

Blake, E. E., t 347 Sherman av.

Blake, E. M., 1 m 55 Dickerman st.

Blake, J. C., g 130 Wall st.

Blatchley, C. A., Fr. s  
219 Blatchley av.

Blatchley, M. N., t 219 Blatchley av.

Blatchley, W. J., Sr. s  
219 Blatchley av.

Block, H. J., Sr. l 237 York st.

Blomfield, E. A., Jr. d 620 E. D.

Blomfield, S. F., g, Grad. d  
Stony Creek

Bloomer, H. J., Sr. l 34 Lynwood pl.

Bloomer, J. R., So. a 22 College st.

Bloomfield, M. D., 2 m 277 Crown st.

Blount, W. A., Jr., Sr. a 49 v.

Boardman, B., So. a 1076 Chapel st.

*Boardman, F. C., Instr.* (p. 28)  
257 Crown st.

Boardman, K., Fr. a 238 York st.

Bock, F. C., f 231 York st.

Bodman, G. M., So. a 22 College st.

Bodman, H. L., So. a 22 College st.

Bodwell, C. S., Sr. d 629 E. D.

Bogart, H. P., Fr. s 387 Temple st.

Boggs, W. D., Jr. a 287 W.

Bogue, R. Sr. a 441 F. W.

Boies, D., Jr. a 398 B.

Bollmann, F. E., Jr. l 40 Sylvan av.

Bond, R. E., Sr. a 381 W. H.

Bonee, J. L., Jr. l 64 Lake pl.

Bonnell, H. W., Sr. s 88 Wall st.

Bonnie, S. W., Jr. a 35 v.

Bonoff, Z. A., Jr. m 26 Palmer st.

Booth, M. D., Jr. a 216 Orchard st.

Borden, J., Fr. a 250 York st.

Bostwick, C. R., Sr. s  
220 Lawrence st.

*Bostwick, T. A., Ass't.* (p. 38)  
(9 M.) 17 College st.

Bosworth, M. D., mus. Milford

Boulton, W. B., Jr., Jr. a 283 W.

- Bourn, A. S., Fr. s 17 Hillhouse av.  
 Bourn, W. G., Sr. s 130 Wall st.  
*Bourne, E. G., Prof.* (pp. 22, 141, 143, 291, 296, 298) 73 Mansfield st.  
 Bouscaren, T. L., Fr. a 217 York st.  
*Bowers, E. A., Lect.* (pp. 28, 388) 209 Crown st.  
 Bowers, E. C., Sr. a 2 v.  
 Bowman, M. H., Jr., Fr. s 110 Wall st.  
 Boyd, T. S., Grad. l 9 Library st.  
 Bracher, V. K., Sr. s 17 Hillhouse av.  
 Bradford, A. H., So. a 274 L.  
 Bradley, H. C., g 333 York st.  
 Bradley, H. T., Jr. s 133 College st.  
 Bradley, L. E., t 69 Howe st.  
 Bradstreet, E. D., g Meriden  
 Brady, C. A., Sr. a 154 F.  
 Brady, J. C., Jr. a 329 w.  
 Brady, J. E., i m 591 Elm st.  
 Bragaw, A. C., Sr. a 336 wH.  
 Brainard, M. B., Sr. l 1101 Chapel st.  
 Brainard, W. W., Jr. a 374 wH.  
 Brand, A., Fr. a 176 York st.  
 Brandon, R. J., Fr. a 144 Dwight st.  
 Brandt, M. S., Jr. s 686 w. d.  
 Braniff, E. A., Sr. for. 42 Lake pl.  
*Brastow, L. O., Prof.* (pp. 18, 413) (601 E. D.) 146 Cottage st.  
 Brennan, K. A., t 248 Chapel st.  
 Brennan, P. J., i m 231 York st.  
 Brereton, A. L., f 8 Baldwin pl.  
 Brereton, S. M., Sr. a 142 F.  
 Brett, A., mus. 195 James st.  
 Breuchaud, J. R., Jr. s 119 Wall st.  
 Breul, A. C., Fr. a 27 High st.  
 Brewer, C., So. a 418 Orange st.  
 Brewer, H. F., g 56 Grove st.  
 Brewer, L. L., Sr. l 120 York st.  
 Brewer, V. C., Fr. a 552 P.  
*Brewer, W. H., Prof.* (pp. 8, 291, 384) (4 s. H.) 418 Orange st.  
 Brewster, E. F., Jr., Fr. s 387 Temple st.  
 Brewster, J. H., Jr., Jr. a 67 v.  
 Bridges, J. H., g, Jr. for. 299 Norton st.  
 Briggs, S. E., t 92 Clark st.  
 Briggs, W. T., So. a 155 Elm st.  
 Brinckerhoff, J. E., Mid. l 283 Crown st.  
 Brinsmade, J. B., So. a 27 High st.  
 Brinsmade, J. B., Fr. a 569 P.  
 Brinton, B., Jr. s 1 Hillhouse av.
- Bristol, A. L., Clerk* (p. 38) (wood.) 191 Exchange st.  
*Bristol, H. S., Ass't.* (p. 35) 333 York st.  
 Bristol, R., Sr. a 460 FW.  
 Britan, H. H., g, f 1136 Chapel st.  
*Britton, W. E., Lect.* (pp. 29, 384) 1317 Boulevard  
 Brixey, R. W., Sr. s 96 Wall st.  
 Brockett, O. L., g 144 Dwight st.  
 Brockett, Z. M., g 131 Howe st.  
 Brodsky, M. H., i m 565 Howard av.  
 Bronson, C. W., Sr. l 1233 Chapel st.  
*Bronson, H. L., Ass't.* (p. 35) 1233 Chapel st.  
 Brooks, C. K., Fr. a 554 P.  
 Brooks, E. L., So. a 22 College st.  
 Brophy, E. J., Jr. m 157 Ferry st.  
 Brougham, H. B., g 37 College st.  
 Brown, A. J., Fr. a 348 wH.  
 Brown, A. L., Fr. a 271 L.  
 Brown, A. R., Jr. d 628 E. D.  
 Brown, A. R., f 1193 Chapel st.  
 Brown, A. T., g 122 Wall st.  
 Brown, B. O., Fr. a 250 York st.  
 Brown, C. C., Sr. s 258 Franklin st.  
 Brown, E. M., Mid. l 159 York st.  
 Brown, E. W., g 122 Wall st.  
 Brown, F., Jr., Jr. a 12 v.  
 Brown, F. C., So., a 260 Crown st.  
 Brown, G. H., Sr. d 625 E. D.  
 Brown, G. M., Fr. s 425 Temple st.  
 Brown, H. F., Fr. s 12 Vernon st.  
 Brown, H. H., Fr. s 128 High st.  
 Brown, H. J., g, Jr. for. 182 Mansfield st.  
 Brown, H. S., g Darien  
 Brown, J., g (Kent Lab'y.) 434 FW.  
 Brown, J. G., Sr. l 73 Lake pl.  
 Brown, J. S., Jr., So. a 260 Crown st.  
 Brown, L. D., g 373 Crown st.  
 Brown, M., So. a 22 College st.  
 Brown, N. C., Fr. a 216 D.  
*Brown, R., Secretary* (p. 18) Observatory pl.  
 Brown, R. A., Jr. s 57 Prospect st.  
 Brown, R. E., Mid. d 626 E. D.  
 Brown, T. G., Fr. s 132 Wall st.  
 Brown, T. M. H., Sr. a 15 v.  
 Brownback, G. A., Jr. a 277 L.  
 Browning, G., Fr. a 241 L.  
*Browning, P. E., Ass't. Prof.* (pp. 25, 120) (Kent Lab'y.) 102 Wall st.  
 Bruce, D., Fr. a 149 F.

- Bruff, H., So. *a* 22 College st.  
 Brundred, W. J., Jr. *s* 118 College st.  
 Brush, G. J., Prof. (p. 17) 14 Trumbull st.  
 Bryant, C. H., Jr. *s* 132 Wall st.  
 Bryant, D. L., Sr. *s* 122 Wall st.  
 Buck, C. H., Jr. *a* 382 WH.  
 Buckingham, C. L., Sr. *s* 140 Howe st.  
 Buckley, F., So. *a* Ansonia  
 Buckley, W. A., Jr. *l* 206 Crown st.  
 Buckman, E., *i m* 68 Lake pl.  
 Budd, F. F., Sr. *m* Meriden  
 Buell, S. H., Sr. *d* 626 E. D.  
 Buffington, S., Fr. *s* 73 Lake pl.  
 Bulkley, C. S., So. *a* 18 College st.  
 Bulkley, E. T., Fr. *a* 1076 Chapel st.  
 Bull, F. K., Fr. *a* 238 York st.  
 Bullard, F. L., Sr. *d* 633 E. D.  
 Bumstead, H. A., Ass't. Prof. (p. 25) (118 WINCH.) 45 Edgehill road  
 Bumstead, R. W., Sr. *a* 433 FW.  
 Bunker, R. U., Jr. *s* 132 Wall st.  
 Bunn, D. C., Jr. *a* 401 B.  
 Burbank, H. E., 2 *m* 249 Crown st.  
 Burdett, R. H., Sr. *a* 427 FW.  
 Burgess, F. M., Res. Lic. *d* 274 Dixwell av.  
 Burgess, H. E., Jr. *s* 274 Dixwell av.  
 Burgess, H. F., Jr. *a* 295 W.  
 Burnap, S. R., Jr., So. *a* 273 L.  
 Burnes, G. R., Mid. *l* Bridgeport  
 Burnham, F. L., *t* 101 Avon st.  
 Burnham, R., Sr. *s* 96 Wall st.  
 Burns, B. F., So. *a* 86 S. M.  
 Burns, L., *g* 1239 Chapel st.  
 Burns, L. W., Fr. *s* 287 York st.  
 Burr, R. H., 2 *m* 405 George st.  
 Burrell, W. H., Res. Lic. *d* 211 Henry st.  
 Burton, C., Sr. *s* 131 Grove st.  
 Burton, L. L., *f* 138 York st.  
 Burton, L. R., Sr. *l* 530 Elm st.  
 Burwell, M. R., *t* 771 Orange st.  
 Bush, C. E., Ass't. (p. 38) (1 S. H.) 133 Howe st.  
 Bush, G. T., Jr. *s* 191 Elm st.  
 Bush, K. J., Ass't. (p. 38) (13 M.) 133 Howe st.  
 Bush, L. P., Librarian and Ass't. (p. 38) (8 M.) 133 Howe st.  
 Bushong, R. G., Sr. *a* 397 B.  
 Butler, G. H., Cashier (p. 38) (1 Phelps) 136 Dwight st.  
 Butler, M. E., *f* Bridgeport  
 Butterfield, P. M., So. *a* 159 Elm st.  
 Butts, G. W., Sec'y. (p. 18) 152 Grove st.  
 Buxbaum, C. A., mus. 103 Bishop st.  
 Byers, J. F., Jr. *a* 55 V.  
 Caldwell, J. C., Sr. *d* 383 George st.  
 Calhoun, N. M., Fellow Winsted  
 Callahan, E. F., Fr. *s* 171 Chapel st.  
 Callahan, F., Jr. *a* 148 F.  
 Calmer, E., Sr. *a* 339 WH.  
 Cameron, E. H., Sr. *a* 78 Lake pl.  
 Camp, R. H., Jr. *a* 26 V.  
 Camp, Walter, Treasurer of Yale Field (p. 22) 30 Everit st.  
 Campbell, J. N. H., Sr. *a* 396 B.  
 Campbell, M. D., *g* 331 Temple st.  
 Campbell, N. S., Jr. *a* 356 WH.  
 Canby, H. S., Ass't. (p. 35) 701 W. D.  
 Candee, H. E., Jr. *s* 74 Dixwell av.  
 Caplan, J., Sr. *l* 149 Congress av.  
 Cardeza, J. M., *i m* 1044 Chapel st.  
 Carlin, E. A., Mid. *l* 215 Davenport av.  
 Carlton, G. W., Jr. *s* 153 Dwight st.  
 Carmalt, W. H., Prof. (p. 19) 87 Elm st.  
 Carnahan, L. R., Priv. Sec'y. (p. 38) (WOOD.) 59 Wall st.  
 Carney, V. N., Mid. *d* 618 E. D.  
 Carpenter, C. W., Jr., Fr. *s* 395 Temple st.  
 Carpenter, G. W., Sr. *s* 131 Grove st.  
 Carr, E. E., *t* 465 Congress av.  
 Carroll, C. H., So. *a* 269 L.  
 Carroll, R. C., Jr. *s* 17 Hillhouse av.  
 Carter, E. E., *g*, Jr. for. 104 York sq.  
 Carter, F., Jr., Sr. *l* 700 W. D.  
 Carter, F. M., Jr., Fr. *s* 126 High st.  
 Carter, L. R., Jr., Sr. *a* 223 D.  
 Carter, S. H., Fr. *s* 119 Grove st.  
 Cartwright, B., Jr., Fr. *s* 397 Temple st.  
 Cartwright, O. G., *g* 119 Wall st.  
 Carver, C., Jr., Fr. *a* 555 P.  
 Case, S. J., Mid. *d* 44 Elm st.  
 Case, T. G., Spec. *l* 299 York st.  
 Case, W. M., Jr. *a*, Jr. *d* 1157 Chapel st.  
 Cashen, M., *f* Meriden  
 Caskey, L. D., *g* Athens. Greece  
 Castor, G. D., Mid. *d* 630 E. D.  
 Cavicchia, G., *g* 47 Lake pl.

- Chace, E. G., Jr. *a* 245 L.  
 Chadwick, G. B., Sr. *a* 29 v.  
 Chadwick, G. I., Jr. *a* 82 s. M.  
 Chalmers, A. B., g, Grad. *d* 88 East Pearl st.  
 Chamberlain, G. L., Fr. *s* 400 Temple st.  
 Chamberlain, H. M., *t* 47 Park st.  
 Chamberlain, P. C., Jr. *l* 7 Library st.  
 Chamberlain, R. R., Jr. *s* 17 Hillhouse av.  
 Chamberlain, W. L., g 933 Elm st.  
 Champion, W. J., Jr., So. *a* 147 F.  
 Chandler, R. E., Jr. *a* 376 WH.  
 Chang, Y. C., Sr. *l* 254 Crown st.  
 Chapin, C. M., Jr. *a* 286 w.  
 Chapin, E. S., Jr., Fr. *s* 299 York st.  
 Chapin, F. G., Fr. *a* 217 York st.  
 Chapin, L. L., Fr. *s* 110 Wall st.  
 Chapman, C. J., Jr., So. *a* 1076 Chapel st.  
 Chapman, F. B., Jr. *a* 27 v.  
 Chapman, W. F., Fr. *s* 46 Mansfield st.  
 Charles, F. W., Jr. *s* 19 Wall st.  
 Chase, F. L., Ass't. Astron. (p. 25) Observatory  
 Chase, R. R., Fr. *a* 293 York st.  
 Chatfield, G. F., Sr. *s* 268 Humphrey st.  
 Cheney, R., Jr. *a* 309 w.  
 Cheney, S. C., Fr. *s* 427 Temple st.  
 Childs, G. A., Jr. *s* 131 High st.  
 Childs, R. S., Jr. *a* 668 w. D.  
 Chillingworth, L. M., *t* 47 Stanley st.  
 Chittenden, G., Jr. *a* 309 w.  
 Chittenden, H. W., Sr. *s* 133 College st.  
 Chittenden, R. H., Prof. and Director (pp. 21, 125) (3 s. H.) 83 Trumbull st.  
 Christian, G. P., Jr. *a* 314 w.  
 Church, H. W., Jr. *a* 328 w.  
 Church, S. L., Sr. *s* 52 Grove st.  
 Churchill, W., Tutor (pp. 29, 130, 131, 137, 277, 281) 699 w. D.  
 Cioffi, A. P. F., *f* 271 Water st.  
 Clancey, J. M., Jr. *s* 258 Chapel st.  
 Clapp, E., Jr. *a* 346 WH.  
 Clapp, R. G., Sr. *d* 681 w. D.  
 Clapp, S. H., g 662 w. D.  
 Clark, A. H., Fr. *a* 57 Park st.  
 Clark, A. R., Jr., g A.  
 Clark, C. B., Jr. *s* 111 Grove st.  
 Clark, C. U., Tutor (pp. 29, 80, 83) 266 Edgewood av.  
 Clark, D., Fr. *s* 407 Temple st.  
 Clark, E. R., Sr. *a* 143 F.  
 Clark, G. V., Sr. *d* 608 E. D.  
 Clark, H. H., Sr. *a* 443 FW.  
 Clark, H. T., Sr. *a* 464 FW.  
 Clark, I. M., Jr. *a* 318 w.  
 Clark, J. D., Mid. *l* 315 Crown st.  
 Clark, J. E., Prof. (p. 18) Longmeadow, Mass.  
 Clark, J. P., g Meriden  
 Clark, J. W., Fr. *s* 387 Temple st.  
 Clark, K. D., Jr. *a* 128 Wall st.  
 Clark, R. K., Sr. *a* 445 FW.  
 Clark, R. L., Fr. *a* 217 York st.  
 Clark, S. C., Sr. *a* 300 w.  
 Clark, W. A., Sr. *s* 113 Wall st.  
 Clark, W. D., Jr. *a* 74 s. M.  
 Clark, W. H., Instr. (pp. 29, 146) Hartford  
 Clark, W. K., Jr. *s* 132 Wall st.  
 Clark, W. W., Jr., Sr. *s* 128 Wall st.  
 Clarke, C. C., Jr., Instr. (p. 29) 65 Grove st.  
 Clarke, C. F., Sr. *l* Whitneyville  
 Clarke, J. W., Fr. *s* Derby  
 Clarke, W. W., Fr. *a* 248 York st.  
 Clarkson, W. B., Ass't. Prof. (p. 25) 1151 Chapel st.  
 Cleaveland, E. W., g 89 Whalley av.  
 Clement, A. T., Sr. *a* 17 v.  
 Clement, G. N. H., So. *a* 260 Crown st.  
 Clements, C. H., Jr. *s* Yale and Maltby avs.  
 Clerk, F. E., Sr. *s* Yale Hall, Franklin st.  
 Clifford, A. M., Jr. *a* 155 F.  
 Closson, O. E., Sr. *s* 119 Grove st.  
 Clothier, G. L., Sr. *for.* 74 Lake pl.  
 Clucas, E. W., So. *a* 439 FW.  
 Clucas, L. M., Jr. *s* 1 Hillhouse av.  
 Coburn, J. H., Jr. *a* 217 D.  
 Coburn, W. I., Res. Lic. *d* 705 w. D.  
 Cochran, G. A., Sr. *a* 437 FW.  
 Cockrum, O. B., Jr. *s* 111 Grove st.  
 Coe, F. S., g A.  
 Coe, R. B., So. *a* 42 College st.  
 Coe, R. M., Fr. *a* 554 P.  
 Coe, W. R., Ass't. Prof. (p. 25) (75 B. L.) 2 Hillhouse av.

- Coen, D. M., Fr. *s* 57 Prospect st.  
 Coffey, J. R., Sr. *a* 73 S. M.  
 Coffin, R. R., Sr. *s* 131 Grove st.  
 Coffin, W. S., *g* A.  
 Cohan, M. J., Mid. *l* 231 York st.  
 Cohn, A. F., Sr. *s* 110 Wall st.  
 Coit, A. M., So. *a* 250 Crown st.  
 Cole, F. W., Jr. *a* 235 D.  
 Cole, G. P., *g* 551 Orange st.  
 Coleman, L. G., Sr. *a* 381 WH.  
 Colie, R., So. *a* 22 College st.  
 Collie, G. L., *g* 316 Crown st.  
 Collins, A. M., Sr. *a* 378 WH.  
 Collins, C. I., *s for.* A.  
 Collins, T. F., Sr. *l* 277 Crown st.  
 Collins, W. F., Jr. *m* 393 East st.  
 Collins, W. G., Sr. *a* 443 FW.  
 Collins, W. H., *g* 254 Crown st.  
 Colston, F. C., Jr. *a* 1076 Chapel st.  
 Colt, R. G., Spec. *l* 250 York st.  
 Colton, H. B., Mid. *l* 126 High st.  
 Comer, J. B., Fr. *s* 413 Temple st.  
 Comstock, J. M., So. *a* 22 College st.  
 Comstock, L. B., Sr. *s* 130 Wall st.  
 Comstock, W. J., Instr. (p. 29) 43 Trumbull st.  
 Conant, G. K., Sr. *a* 51 v.  
 Conant, L. R., *t* Hartford  
 Condé, H. W., Fr. *a* 551 P.  
 Condict, P. K., Sr. *a* 435 FW.  
 Cone, J. W., Fr. *s* 663 w. D.  
 Congdon, W. B., So. *a* 22 College st.  
 Conley, L. R., Mid. *l* 64 Lake pl.  
 Conover, H. H., *g* 120 York st.  
 Conway, D. F., Mid. *l* 561 Howard av.  
 Cook, A. I., Fr. *s* 46 Elm st.  
 Cook, A. S., Prof. (pp. 20, 111) (135 Elm st.) 219 Bishop st.  
 Cook, G., Jr., Jr. *s* 133 College st.  
 Cook, H. B., Mid. *d* 688 w. D.  
 Cook, S. R., Fr. *a* 218 D.  
 Cooke, C. O., 2 *m* 1151 Chapel st.  
 Cooke, G. P., So. *a* 23 v.  
 Cooke, R. A., Fr. *a* 112 College st.  
 Cooksey, C. D., Fr. *s* 90 Wall st.  
 Cooley, T. S., Fr. *a* 250 L.  
 Coolidge, G. G., Jr. *s* 111 Grove st.  
 Coon, W. R., Jr. *s* 119 Wall st.  
 Cooney, M. E., 1 *m* 254 Crown st.  
 Cooper, A. W., Sr. *for.* 39 Lynwood pl.  
 Cooper, J. W., Fellow New Britain  
 Cooper, S. W., mus. 18 Woolsey st.  
 Copeland, F. L., Sr. *s* 120 College st.  
 Copp, B. A., Jr., Jr. *a* 345 WH.  
 Corbet, D., Fr. *s* 311 York st.  
 Corlies, H., Fr. *s* 90 Wall st.  
 Corning, E., Sr. *a* 47 v.  
 Corning, E., Fr. *a* 203 York st.  
 Cornwall, A. P., 2 *m* 1142 Chapel st.  
 Corwin, R. N., Prof. (pp. 23, 104) 247 St. Ronan st.  
 Cory, C. E., *g* 800 George st.  
 Cory, D. U., Jr., Sr. *a* 371 WH.  
 Costello, H. N., Fr. *a* 434 Howard av.  
 Côté, E. L., So. *a* 365 WH.  
 Couch, B. M., Sr. *s* 113 Wall st.  
 Countryman, I. N., So. *a* 234 Greenwich av.  
 Countryman, W. A., Jr., So. *a* 209 Whalley av.  
 Coursen, W. H., Fr. *a* 541 P.  
 Courten, H. C., Jr. *a* 685 w. D.  
 Cowell, B., So. *a* 283 Crown st.  
 Cowles, W. R., Fr. *a* 1330 Chapel st.  
 Cowling, D. J., Sr. *a* 281 Crown st.  
 Craffey, J. T., So. *a* 414 B.  
 Cramer, C. W., Mid. *l* 222 Crown st.  
 Cramer, H. W., Sr. *a* 79 S. M.  
 Cramer, W. B., Ass't. (p. 35) 57 Prospect st.  
 Crandall, L., Spec. *l* 1151 Chapel st.  
 Crane, C. K., Sr. *s* 131 Grove st.  
 Crane, R. W., 2 *m* 333 Cedar st.  
 Crane, W. M., Jr., Jr. *a* 69 v.  
 Crankshaw, R. N., Sr. *a* 147 Dwight st.  
 Crawford, G. W., Sr. *l* 666 w. D.  
 Cressler, K. M., Fr. *s* 110 Wall st.  
 Critchlow, O. R., Fr. *a* 311 York st.  
 Crittenden, C. A., *t* 102½ Park st.  
 Crofutt, E. F., Jr. *m* 123 York st.  
 Cronan, J. P., Sr. *a* 455 Orange st.  
 Cronan, U., So. *a* 250 Crown st.  
 Cronin, F. Q., So. *a* 1076 Chapel st.  
 Crosby, L., Jr. *s* 122 Wall st.  
 Cross, F., *g* 156 Spring st.  
 Cross, J. L., Mid. *d* 617 E. D.  
 Cross, W. L., Prof. (p. 23) (22 S. H.) 306 York st.  
 Cross, W. S., Jr. *a* 12 v.  
 Crouse, G. N., Jr. *l* 223 Orange st.  
 Crouse, N. M., Fr. *a* 250 York st.  
 Crowe, E. R., Sr. *a* 394 B.  
 Crowe, W. H., Ass't. (p. 35) 106 Whalley av.  
 Crowley, E. C., Fr. *s* 63 Liberty st.

- Crowley, T. M., *i m* 116 Day st.  
 Cudlipp, W. F., *Fr. s* 79 Pearl st.  
 Culbertson, J. D., Jr., *Fr. a* 248 York st.  
 Culbertson, J. J., Jr., *Fr. s* 411 Temple st.  
 Cullen, W. B., *Mid. l* 159 York st.  
 Cullman, J. F., Jr., *Jr., a* 306 w.  
 Cumings, E. R., *g* 22 Whalley av.  
 Cunningham, M. J., *Sr. l* 233 York st.  
 Cunningham, P. H., Jr., *s* 82 Wall st.  
 Curdy, A. E., *Instr.* (pp. 29, 95) 361 Elm st.  
 Curnow, G. N., Jr., *l* 75 Whalley av.  
 Curran, T. H., *Sr. a* 38 Lake pl.  
 Curtis, E. L., *Prof.* (pp. 21, 300, 304, 403, 405) (656 w. d.) 61 Trumbull st.  
 Curtis, J., Jr., *s* 105 College st.  
 Curtis, K. W., *Sr. a* 58 v.  
 Curtis, R. W., *g* Hartford  
 Curtis, S. B., *Fr. a* 546 p.  
 Curtiss, C., Jr., *a* 34 v.  
 Curtiss, C. G., *Fr. a* 254 York st.  
 Curtiss, C. L., *Sr. m* 374 Whalley av.  
 Curtiss, G., *Fr. a* 254 York st.  
 Curtiss, G. W., *Fr. s* 153 Olive st.  
 Curtiss, J. B., *Fr. s* 590 p.  
 Curts, B. G., *So. a* 210 d.  
 Curts, P., *So. a* 210 d.  
 Cushman, E. C., *Sr. a* 342 wH.  
 Cutler, H. H., *Fr. a* 71 Lake pl.  
 Cutler, J. E., *g* 373 Crown st.  
 Cutten, G. B., *Sr. d* 80 First st.  
 Dadourian, H. M., *Sr. s* 53 Prospect st.  
 Daggett, L. M., *Instr.* (p. 29) (42 Church st.) 77 Grove st.  
 Dailey, E. C., *mus., t* 174 Grand av.  
 Dallas, J. T., Jr., *a* 18 v.  
 Dalley, E. M., *Fr. s* 124 Wall st.  
 Dalton, C. F., *Sr. l* 1136 Chapel st.  
 Daly, C. E., *Fr. a* 1076 Chapel st.  
 Daly, M., Jr., *s* 111 Grove st.  
 Dalzell, R. D., *So. a* 22 College st.  
 Damon, H. F., *Fr. a* 250 York st.  
 Damon, M. S., Jr., *a* 10 v.  
 Dana, E. S., *Prof.* (pp. 20, 118, 123) (4 m.) 24 Hillhouse av.  
 Dangler, D. E., *So. a* 22 College st.  
 Dangler, H. C., Jr., *a* 12 v.  
 Daniel, E., *g* 64 Howe st.  
 Daniels, L. E., *t* 14 Gregory st.  
 Darby, W. T., *So. a* 159 F.  
 Darr, L., *Fr. a* 1076 Chapel st.  
 Darragh, J. G., *Fr. s* 397 Temple st.  
 Darsie, R. F., Jr., *s* 135 College st.  
 Dart, J., Jr., *Fr. a* 567 p.  
 Daskaloff, D. Z., *Fr. a* 115 Dwight st.  
 Davenport, D., *Fr. s* 409 Temple st.  
 Davenport, W. E., *mus.* Bridgeport  
 Davidson, E. M., *So. a* 147 F.  
 Davidson, M. L., *Sr. a* 4 v.  
 Davies, H., *Lect.* (pp. 29, 133, 276, 281) (257 L.) 1 Dayton st.  
 Davis, A. S., *g* A.  
 Davis, C. W., *g* A.  
 Davis, J. W., *Res. Lic. d* 23 Foote st.  
 Davis, P. V., *So. a* 22 College st.  
 Davis, S. L., *t* 361 George st.  
 Davis, T. L., Jr., *a* 240 d.  
 Davoud, V. E., *Sr. s* 128 High st.  
 Day, Clive, *Ass't. Prof.* (pp. 25, 138, 148, 151, 289) 158 Whitney av.  
 Day, C. O., Jr., *Sr. a* 32 v.  
 Day, C. S., Jr., *g* A.  
 Day, D. S., Jr., *l* 333 York st.  
 Day, F. H., *So. a* 353 wH.  
 Day, G. E., *Prof.* (p. 17) 125 College st.  
 Day, G. P., *g* A.  
 Day, R. D., *Sr. a* 25 v.  
 Day, W. B., *Fr. s* 393 Temple st.  
 Day, W. F., *Auditor* New Haven  
 Dayton, L. H., *t* 45 Edgewood av.  
 Dean, A. L., *Ass't.* (p. 35) 140 Shelton av.  
 Dean, W. D., *So. a* 27 College st.  
 Deane, S. N., *g* 148 F.  
 Defendorf, A. R., *Lect.* (p. 29) Middletown  
 DeForest, C. H., *Sr. l* 108 High st.  
 DeForest, C. M., Jr., *l* 387 Temple st.  
 DeForest, C. M., *i m* 565 Howard av.  
 DeForest, J. B., *So. a* 144 F.  
 DeForest, J. S., Jr., *s* 333 York st.  
 Defrees, D. J., *Fr. s* 409 Temple st.  
 Delano, J., Jr., *So. a* 1076 Chapel st.  
 DeLa Vergne, C. R., *So. a* 22 College st.  
 Deming, E. A., Jr., *s* 132 Wall st.  
 deMurias, F. E., Jr., *l* 159 Elm st.  
 Denhardt, T. T. T., Jr., *d* 216 Orange st.  
 Dennehy, J. L., *i m* 28 Ridge st.  
 Dennis, E. L., Jr., *a* 298 w.



- Denno, W. J., Sr. *a*, 1 *m* 465 FW.  
 Denton, F. R., Jr. *l* 105 College st.  
 Depew, C. M., *Fellow*  
 43 W. 54th st., N. Y. City  
 Depew, S. L., Jr. *s* 135 College st.  
 Deshon, F. T., *Sup't.* (p. 38)  
 (University Hall) 59 Lake pl.  
 deSola, L., Sr. *l* 364 George st.  
 D'Esopo, S., Sr. *l* 120 High st.  
 Deutsch, H. W., *mus.* 266 Church st.  
 Devine, J. V., *So. a* 248 L.  
 Dewey, C. S., *Spec. s* 133 College st.  
 Dexter, F. B., *Librarian* (p. 18)  
 (LIBR.) 178 Prospect st.  
 Deyo, E. M., *g* 397 Crown st.  
 Dial, E. C., Jr. *l* Bridgeport  
 Dickerman, H. L., Sr. *l* 75 Alden st.  
 Dickerman, S. O., *Tutor* (pp. 29, 83,  
 85) 267 L.  
 Dickerman, W. F., *g* 276 Orange st.  
 Dickinson, A. H., Jr. *s* 131 High st.  
 Dickinson, F. S., *Fr. a* 592 P.  
 Dickinson, H., *Fr. s* 391 Temple st.  
 Dickson, F. S., 2d, *Sr. s* 133 College st.  
 Diefenbach, A. C., *Sr. d* 704 W. D.  
 Diehl, J. C., *g* A.  
 Digney, R. E., *Sr. a* 120 High st.  
 Diller, W. H., *Fr. a* 250 York st.  
 Dillman, L. C., Jr. *a* 318 W.  
 Dillon, J. F., 2d, *Fr. a* 1076 Chapel st.  
 Dillon, J. H., Jr. *m* 120 York st.  
 Dilworth, J. C., *Fr. s* 395 Temple st.  
 Dimock, H. E., *Fr. a* 242 York st.  
 Dimock, H. F., *Fellow*  
 25 E. 60th st., N. Y. City  
 Dinnan, J. B., Jr. *m* 96 Broad st.  
 Disbrow, W. F., *Spec. s* 117 Wall st.  
 Dixon, T. P., *Fr. a* 250 York st.  
 Dobson, R. C., *f* 100 Howe st.  
 Dodd, E. L., *g* 120 York st.  
 Dodd, F. F., *So. a* 128 Wall st.  
 Dodd, L. H., *g* 82 Admiral st.  
 Dodge, A. D., *Sr. a* 429 FW.  
 Dodge, E. N., *Fr. a* 260 Crown st.  
 Dodge, F. T., Jr. *a* 398 B.  
 Dodge, H. G., *So. a* 22 College st.  
 Dodson, S. H., *g* 22 Whalley av.  
 Dole, G. S., *Fr. a* 418 B.  
 Dole, L. A., *Fr. a* 418 B.  
 Dominick, E., Jr. *a* 320 W.  
 Donahue, M. J., Jr. *a* 365 WH.  
 Dondlinger, P. T., *g* 486 Elm st.  
 Donohue, B. F., *Sr. m* 565 Howard av.  
 Donohoe, E. A., *Sr. a* 372 WH.  
 Doolittle, H. C., *t* 45 Edgewood av.  
 Doroff, L. A., 2 *m* 254 Cedar st.  
 Dougherty, J. H., Jr., *Fr. a* 589 P.  
 Dougherty, W. L., *So. a* 209 D.  
 Douglass, W. L., *Sr. a* 389 B.  
 Dousman, L. deV., *Fr. a* 570 P.  
 Dove, J. M., Jr., Jr. *s* 117 Wall st.  
 Downes, J. I. H., *Librarian* (p. 38)  
 345 Whitney av.  
 Downey, E. A., *Sr. a* 137 College st.  
 Downing, F. C., *Fr. a* 565 P.  
 Downs, W. J., *Sr. l* 114 High st.  
 Dows, J. W., *g* Wallingford  
 Dowsett, D. A., *Mid. l* 1151 Chapel st.  
 Draper, T. P., *Sr. a* 21 V.  
 Dreisbach, J. M., *Sr. a* 29 V.  
 Drew, H. E., *Fr. a* 27 High st.  
 Driver, G. H., Jr. *d* 709 W. D.  
 Drummond, H., Jr. *a* 439 FW.  
 Drury, H. L., *Sr. a* 312 W.  
 DuBois, A. J., *Prof.* (pp. 19, 385)  
 (129 WINCH.) 334 Edwards st.  
 Dudley, S. W., *Ass't.* (p. 35)  
 15 Austin st.  
 Duke, W. W., *Spec. s* 117 Wall st.  
 Dukeshire, S. C., *Sr. a* 166 York st.  
 Duncan, E., *g* 153 Franklin st.  
 Duncan, G. M., *Prof.* (pp. 22, 129,  
 135, 271, 275, 280, 282)  
 299 Edwards st.  
 Duncan, W. M., *Fr. a* 528 P.  
 Dunham, D. A., *Sr. a* 68 V.  
 Dunham, L. B., Jr. *s* 111 Grove st.  
 Dunlap, J. G., *Fr. a* 522 P.  
 DuPuy, H. W., *Sr. a* 42 V.  
 Durham, W. H., Jr. *a* 259 L.  
 Durrell, W. H., *Res. Lic. d* 211 Henry st.  
 Dustin, E. F., *Fr. a* 250 York st.  
 DuVal, C. L., *Sr. a* 426 FW.  
 Dwyer, A., *Sr. s* 52 Grove st.  
 Eales, H. W., Jr. *a* 72 S. M.  
 Earle, A. M., *Sr. s* 131 Grove st.  
 Earley, A. T., *Sr. l* 32 Park st.  
 Earley, G. C., *Spec. l* 120 York st.  
 Earnest, F., *mus.* 423 Blatchley av.  
 Eastman, H. B., *g, Jr. for.* 74 Lake pl.  
 Eaton, D. C., *Prof.* (p. 18)  
 218 Prospect st.  
 Eaton, G. F., *Instr.* (p. 29) (8 M.)  
 70 Sachem st.  
 Eddy, A. W., *Fr. a* 248 York st.



- Eddy, N. A., Jr., Jr. *s* 105 College st.  
 Edmondson, N. E., *mus.* 173 Blatchley av.  
 Edwards, G. H., So. *a* 27 College st.  
 Edwards, H., Fr. *a* 6 Pearl st.  
 Edwards, J. R., Fr. *a* 412 B.  
 Edwards, R. H., Sec'y. (p. 38) 2 Dwight Hall  
 Edwards, S. W., Sr. *l* 299 York st.  
 Egan, L. H., Jr. *s* 17 Hillhouse av.  
 Egan, M. E., *t* 20 Pearl st.  
 Egan, T. J., Spec. *l* 1151 Chapel st.  
 Eggleston, R. D., Jr. *a* 1076 Chapel st.  
 Ehgott, A., g, Grad. *d* 60 Whalley av.  
 Ekins, G. F., Mid. *d* 697 W. D.  
 Eliason, J., Sr. *a* 387 B.  
 Elkin, W. L., Director (p. 21) 477 Prospect st.  
 Elliot, A. H., Jr. *s* 206 Orchard st.  
 Elliot, H. H., So. *a* 1081 Chapel st.  
 Elliott, S. H., Fr. *s* 407 Temple st.  
 Ellsworth, B., Sr. *a* 30 v.  
 Ellsworth, J. S., So. *a* 468 FW.  
 Elmer, M. S., g 57 Prospect st.  
 Elmes, F. A., 2 *m* 87 Park st.  
 Elmore, G. O., Jr. *s* 132 Wall st.  
 Elsner, S., Mid. *l* 32 Trumbull st.  
 Elwell, F. B., Fr. *a* 594 P.  
 Ely, E. C., So. *a* 66 v.  
 Ely, G., Fr. *a* 238 York st.  
 Ely, J. S., Prof. (p. 22) 51 Trumbull st.  
 Ely, T. W., Fr. *s* 117 Wall st.  
 Ely, W. B., Jr. *a* 66 v.  
 Embree, E. R., Fr. *a* 404 B.  
 Embree, W. D., Jr. *l* 624 E. D.  
 Emerson, C. E., g 89 Whalley av.  
 Emerson, S. A., g 79 Howe st.  
 Emery, H. C., Prof. (pp. 24, 144, 148, 150, 287) 270 Crown st.  
 Ender, E. S., *mus.* 52 Arthur st.  
 Endicott, H. B., Jr. *s* 311 York st.  
 Engelhardt, N. L., Sr. *a* 355 WH.  
 Engleman, R. A., Fr. *s* 7 Library st.  
 Ennis, M., Sr. *d* 619 E. D.  
 Epstein, C. M., So. *a* 220 D.  
 Erickson, C. T., g, Grad. *d* 32 Grove st.  
 Erwin, A. G., Fr. *a* 551 P.  
 Erwin, H. P., Jr. *a* 408 B.  
 Esher, B., So. *a* 203 D.  
 Essick, C. R., So. *a* 152 F.  
 Esty, C. A., Jr. *a* 346 WH.  
 Ethridge, A., Fr. *a* 250 York st.  
 Evans, A. W., Ass't. Prof. (pp. 25, 127, 382) (18 s. H.) 2 Hillhouse av.  
 Evans, E. W., So. *a* 368 WH.  
 Evans, J. K., Jr. *a* 13 v.  
 Evans, S. H., Jr. *a* 421 B.  
 Evans, W. F., So. *a* 210 D.  
 Everett, I. J., g 32 Howe st.  
 Everett, R. W., Sr. *s* 88 Wall st.  
 Everett, S. A., 2 *m* 133 Dwight st.  
 Everts, G. B., Sr. *a*, 1 *m* 1081 Chapel st.  
 Ewell, R. H., Sr. *a* 435 FW.  
 Ewers, J. E., Fr. *a* 404 B.  
 Ewing, F. B., Fr. *s* 413 Temple st.  
 Ewing, W., Sr. *s* 131 Grove st.  
 Failing, E. J., Sr. *a* 369 WH.  
 Fairbank, J. J. M., Sr. *a* 51 v.  
 Fairbanks, A. C., Mid. *l* 315 Crown st.  
 Fairbanks, J., Sr. *a* 299 W.  
 Fairbanks, R. M., So. *a* 22 College st.  
 Fairchild, A. H. R., g 373 Crown st.  
 Fairchild, B. T., Jr. *s* 96 Wall st.  
 Fairchild, F. R., g 373 Crown st.  
 Fallows, C. S., So. *a* 353 WH.  
 Falvey, J. A., Jr. *a* 140 F.  
 Fansett, G. R., Fr. *s* 109 Chapel st.  
 Farmer, M., Jr. *s* 1 Hillhouse av.  
 Farnam, H. W., Prof. (pp. 20, 286) 43 Hillhouse av.  
 Farnham, D. T., Jr. *a* 236 D.  
 Farnsworth, W. O., Instr. (pp. 29, 95) 67 Mansfield st.  
 Farnum, P. E., Jr., Jr. *a* 59 v.  
 Farr, C. E., Sr. *m* 333 York st.  
 Farr, H. A., Tutor (pp. 29, 100) 170 F.  
 Farrel, F., Jr., Sr. *a* 31 v.  
 Farson, J., Jr., Jr. *s* 1 Hillhouse av.  
 Fasser, A. O., 2 *m* 14 Baldwin st.  
 Fasser, C. E., Fr. *s* 14 Baldwin st.  
 Fawley, J. L., Fr. *a* 130 Howe st.  
 Feder, M. G., Jr. *a* 406 B.  
 Fellows, H. F., Jr. *s* 137 Dwight st.  
 Fengar, O. E., Sr. *l* 87 Ashmun st.  
 Fenton, H. J., Mid. *l* 139 Dwight st.  
 Ferguson, H. L., Jr. *s* 133 College st.  
 Ferguson, R., Sr. *m* 718 W. D.  
 Ferguson, W., Sr. *a* 73 S. M.  
 Ferris, C., Sr. *m* 404 Crown st.  
 Ferris, C. S., *t* 518 George st.  
 Ferris, H. B., Prof. (pp. 23, 25) 118 York st.

- Ferris, W. J., Sr. *l* 32 Park st.  
 Ferry, H. F., Fr. *a* 576 P.  
 Ferry, M., Sr. *a* 33 v.  
 Fessenden, G., Jr. *a* 305 w.  
 Feuchtwanger, H., *t* 83 Sachem st.  
 Ficklin, J. R., Fr. *s* 423 Temple st.  
 Field, M. E., *t* 26 Lynwood pl.  
 Field, S., Jr., Fr. *a* 537 P.  
 Fiero, A. C., Jr. *s* 82 Wall st.  
 Finch, F. R., Jr. *s* 674 w. d.  
 Finegan, J. J., Fr. *a* 159 Elm st.  
 Fischer, H. B., Jr. *s* 131 High st.  
 Fish, S., Jr., So. *a* 22 College st.  
 Fisher, C. A., Ass't. (pp. 35, 122) 92 Dwight st.  
 Fisher, G. P., Prof. (p. 17) 27 Hillhouse av.  
 Fisher, H. A., So. *a* 1076 Chapel st.  
 Fisher, I., Prof. (pp. 23, 144, 147, 151, 287) 460 Prospect st.  
 Fisher, J. J., Mid. *l* 619 E. d.  
 Fisher, M. H., Jr. *s* 66 Wall st.  
 Fisher, S. R., Jr. *d, mus.* 707 w. d.  
 Fisk, A. R., Jr. *a* 442 fw.  
 Fisk, C. W., So. *a* 1076 Chapel st.  
 Fisk, R. H., Sr. *l* 38 Lynwood pl.  
 Fitch, F. T., Jr. *m* 333 Cedar st.  
 Fitch, L. H., Fr. *a* 203 d.  
 Fitch, M. C., Sr. *a* 59 v.  
 Fitch, W. D., Spec. *l* 1151 Chapel st.  
 Fitzgerald, E. H., Sr. *a* 224 d.  
 Fitzpatrick, B., Fr. *a* 566 P.  
 Fitzwater, J. A., *s for.* A.  
 Flaherty, H. F., *i m* Derby  
 Flanders, C. S., Jr. *a* 311 w.  
 Flanders, R. Y., Fr. *a* 242 York st.  
 Fleischmann, C. M., Sr. *s* 125 High st.  
 Fleischner, E. C., Jr. *m* 920 Grand av.  
 Flinn, A. R., Fr. *a* 358 wh.  
 Flora, C. P., *g* 8 Prospect pl.  
 Fluhrer, M., Sr. *a* 466 fw.  
 Flynn, D. A., Jr. *m* Bridgeport  
 Flynn, E. C., Fr. *a* Meriden  
 Flynn, J. S., Mid. *l* 9 Library st.  
 Fogelberg, J., *g* 128 Wall st.  
 Follett, A. W., So. *a* 60 v.  
 Foote, H. L., Jr. *a* 19 Howe st.  
 Foote, H. W., Instr. (p. 29) 162 s. l.  
 Forbes, C. B., *mus.* East Haven  
 Ford, F. L., Fr. *a* 250 York st.  
 Ford, G. S., Instr. (pp. 29, 138) 36 Lynwood pl.  
 Ford, H., Jr. *a* 343 wh.  
 Ford, W. E., Ass't. (p. 35) 16 Lynwood pl.  
 Forsyth, J. M., So. *a* 280 l.  
 Foster, A. E., Fr. *a* 572 P.  
 Foster, H. D., *g, Jr. for.* 104 York sq.  
 Foster, J. P. C., Instr. (p. 29) 109 College st.  
 Foster, P. B., Sr. *a* 370 wh.  
 Foster, R., Lect. (p. 29) 79 W. 54th st., N. Y. City  
 Foster, W. F., Ass't. Prof. (p. 25) (11 Hendrie Hall) 98 Water st.  
 Fowler, C. N., Fr. *a* 379 wh.  
 Fowler, G. S., Fr. *a* 205 Whalley av.  
 Fowler, H. E., So. *a* 104 Wall st.  
 Fox, A., Sr. *a* 464 fw.  
 Fox, D. F., Jr. *a* 131 Bradley st.  
 Fox, G. L., *g* 7 College st.  
 Fox, L., Fr. *s* 407 Temple st.  
 Franchot, D. W., Sr. *s* 131 Grove st.  
 Francis, C. D., Jr. *l* 333 York st.  
 Francolini, F., Sr. *l* 539 Chapel st.  
 Francolini, P. F. B., *i m* 539 Chapel st.  
 Frank, H. S., Fr. *s* 387 Temple st.  
 Franklin, H. A., Jr. *a* East Haven  
 Frazier, F. D., So. *a* 22 College st.  
 Freeman, J. R., Sr. *a* 68 v.  
 Freeman, J. W., Jr. *s* 117 Wall st.  
 Freeman, M. A., Fr. *a* 524 P.  
 French, J. B., Fr. *s* 391 Temple st.  
 Frew, W., Sr. *a* 39 v.  
 Frey, L. M., So. *a* 93 s. m.  
 Friedman, S. P., So. *a* 27 College st.  
 Frisbie, E. E., *mus.* Bridgeport  
 Frisbie, L. W., Sr. *a* 423 fw.  
 Frost, L. C., So. *a* 22 College st.  
 Fuller, H. B., *g* A.  
 Fulton, A., Fr. *a* 525 P.  
 Fulton, I. K., Fr. *a* 379 wh.  
 Fulton, W. S., Sr. *a* 31 v.  
 Fulton-Phizenmayer, C. A., Spec. *s* 1151 Chapel st.  
 Furst, A. S., Sr. *a* 452 fw.  
 Gaar, J. M., Jr. *l* 333 York st.  
 Gaffney, F. T., Jr. *m* 123 York st.  
 Gager, E. B., Instr. (p. 30) Derby  
 Gaines, T. J., Jr., Sr. *a* 337 wh.  
 Gaines, T. R., Jr. *a* 341 wh.  
 Galbraith, M., *t* 178 Blatchley av.  
 Gale, A. S., Instr. (pp. 30, 114) 281 Willow st.  
 Gallagher, J. W., Jr. *a* 341 wh.

Galpin, S. L., *g* 77 Mansfield st.  
 Galpin, W. S., *g* 77 Mansfield st.  
 Gammack, A. J., *g* West Haven  
 Gannett, M. C., *s for.* A.  
 Gans, J., Sr. *a* 425 FW.  
 Gardner, H. A., Jr., So. *a* 22 College st.  
 Gardner, H. I., Jr. *a* 142 F.  
 Gardner, H. W., Jr. *a* 14 v.  
 Gardner, W. H., Jr. *s* 96 Wall st.  
 Garnsey, O. A., Jr. *s* 82 Wall st.  
 Garretson, W. V., *g* 65 York st.  
 Garver, M. S., *g* 122 Howe st.  
 Garvin, A. H., Sr. *m* 280 Crown st.  
 Gatins, J. F., Jr., Jr. *l* 159 Elm st.  
 Gause, C. I., Sr. *s* 88 Wall st.  
 Gearing, E. W., Fr. *a* 281 Crown st.  
 Geiger, W. A., Jr. *s* 50 Foster st.  
 Gelser, G. M., Jr. *a* 377 WH.  
 Gelser, I. L., Fr. *a* 595 P.  
 Gelshenen, W. H., Jr., Sr. *s* 131 Grove st.  
 George, J. G., Fr. *s* 90 Wall st.  
 Germain, M. L., Jr. *l* 333 York st.  
 Gerth, C. S., Jr. *l* 112 Whalley av.  
 Gessner, E. E., *t* 150 Bradley st.  
 Gibb, H., *Ass't.* (p. 38)  
 (26 M.) 266 Dixwell av.  
 Gibbons, D., Fr. *s* 427 Temple st.  
 Gibbs, J. W., *Prof.* (pp. 18, 117)  
 (Sloane Lab'y.) 121 High st.  
 Gibner, H. C., Sr. *m* 78 Dwight st.  
 Gibson, R. B., *g* 18 Trumbull st.  
 Gibson, W. W., Fr. *a* 226 York st.  
 Gilbert, E. C., *i m* 565 Howard av.  
 Gilbert, F. C., Sr. *a* 378 WH.  
 Gilbert, F. M., *g* A.  
 Gilbert, G. B., Sr. *a* 224 D.  
 Gilbert, H. C., *Ass't.* (p. 39)  
 22 Whalley av.  
 Gilbert, H. D., Spec. *s* 111 Grove st.  
 Gilbert, M. C., *Ass't.* 22 Whalley av.  
 Gilbert, R. D., *Ass't.* (p. 35)  
 Kent Lab'y.  
 Gillespie, E. L., Sr. *a* 434 FW.  
 Gilmore, J. L., Jr. *m* 68 Edwards st.  
 Gilmour, G., Sr. *d* 658 w. d.  
 Glascock, C. C., *Instr.* (p. 30) 55 N. s. H.  
 Glass, E. T., Jr. *s* 1 Hillhouse av.  
 Glazier, F. W., Jr. *a* 35 v.  
 Glazier, W. S., Fr. *a* 242 York st.  
 Gleason, F. E., So. *a* 227 D.  
 Gleason, W. W., Sr. *a* 427 FW.  
 Glicksman, H., Jr. *a* 254 L.

Godcharles, W. A., Jr. *s* 117 Wall st.  
 Goetchius, M., Jr. *a* 317 W.  
 Goin, E. F., *g*, Grad. *d* 34 Foote st.  
 Goin, V. W., *g* 34 Foote st.  
 Goldman, J. A., So. *a* 134 F.  
 Goldsmith, J. J., Sr. *l* 231 York st.  
 Gooch, F. A., *Prof.* (pp. 20, 120)  
 (Kent Lab'y.) 291 Edwards st.  
 Goodell, P., Jr. *a* 448 FW.  
 Goodell, T. D., *Prof.* (pp. 21, 83, 86)  
 35 Edgehill road  
 Goodhart, H. L., So. *a* 262 L.  
 Goodhue, W. E., Sr. *a* 685 w. d.  
 Goodman, B. J., *i m* 11 Court st.  
 Goodrich, C. S., Jr. *a* 289 w.  
 Goodwin, F. S., Sr. *a* 9 v.  
 Goodwin, H., Fr. *a* 357 WH.  
 Goodwin, H. C., Fr. *a* 95 s. m.  
 Goodwin, J. L., So. *a* 260 Crown st.  
 Goodwin, R. S., *Ass't.* (p. 35)  
 1179 Chapel st.  
 Goodyear, C. W., Jr., Fr. *a* 567 P.  
 Gordon, A., Jr. *a* 390 B.  
 Gordon, A. S., Mid. *l* 333 York st.  
 Gordon, C. R., Fr. *s* Shelton  
 Gordon, G. A., *Lect.* (p. 30)  
 Boston, Mass.  
 Gordon, J., Jr., Fr. *s* 407 Temple st.  
 Gordon, M. E., *mus.* 1193 Chapel st.  
 Gorham, L. W., Fr. *a* 540 P.  
 Gorton, D. D., Jr. *d* 720 W. d.  
 Gosling, T. W., *g* A.  
 Goss, G. A., Sr. *a* 30 v.  
 Gould, A. L. T., *g* 46 Lake pl.  
 Gow, P., Fr. *a* 595 P.  
 Gowen, B. S., *Ass't.* (p. 39)  
 486 Elm st.  
 Graff, F. E., So. *a* 314 W.  
 Granniss, L. D., Fr. *a* Station A.  
 Granniss, R. A., Jr., Sr. *a* 36 v.  
 Grant, H. F., Jr. *s* 82 Wall st.  
 Grant, K. P., Fr. *s* 421 Temple st.  
 Grant, L. E., Fr. *a* 248 York st.  
 Granville, W. A., *Instr.* (p. 30.)  
 (46 N. s. H.) 7½ Eld st.  
 Grauman, J. S., Fr. *a* 530 P.  
 Grave, G. E., *mus.* 323 George st.  
 Graves, A. H., *Ass't.* (p. 35)  
 48 N. s. H.  
 Graves, G. D., Sr. *l* 333 York st.  
 Graves, H. S., *Prof. and Director*  
 (pp. 24, 386) (Marsh Hall)  
 337 Humphrey st.

- Graves, S. I., *t* 186 Grand av.  
 Gray, A. W., Jr. *a* 259 L.  
 Gray, J. L., So. *a* 41 v.  
 Gray, R., Fr. *s* 119 Wall st.  
 Gray, R. A., So. *a* 250 Crown st.  
 Greeley, W. B., g, Jr. *for.* 83 Sachem st.  
 Greely, J. N., Fr. *a* 545 P.  
 Green, C. D., Sr. *a* 50 v.  
 Green, D. B., Jr. *a* 324 w.  
 Green, E. E., Sr. *d* 702 w. d.  
 Green, J., Spec. *l* 1151 Chapel st.  
 Greene, C., Fr. *a* 600 P.  
 Greene, H. G., Sr. *a* 424 FW.  
 Greene, M. N., Mid. *d* 634 E. D.  
 Greene, P. M., Sr. *s* 120 College st.  
 Greenstein, H., Jr. *l* Bridgeport  
 Greenwell, W. A., Jr. *l* 91 Park st.  
 Gregg, J. E., Sr. *d* 712 W. D.  
 Gregory, A. B., Fr. *a* A.  
 Gregory, H. E., *Ass't. Prof.* (pp. 25, 123, 145, 288) (6 M.) 399 B.  
 Gregory, I. O., Mid. *l* Noroton Heights  
 Greist, H. M., Fr. *s* 425 Temple st.  
 Gribben, P. D., Sr. *s* 120 College st.  
 Griffin, H. F., Sr. *a* 45 v.  
 Griffin, W. A., Jr. *s* 110 Wall st.  
 Griffing, A. V. W., *mus.* N. Y. City  
 Griffiths, A. B., g Milford  
 Griggs, H. L., Jr. *a* 330 w.  
 Griswold, E., Jr. *s* 133 College st.  
 Griswold, J. L., *t* 29 Clinton av.  
 Gross, P. E., Sr. *d* 606 E. D.  
 Gruener, G., *Prof.* (pp. 22, 101) Mills B'd'g., N. Y. City  
 (276 L.) 522 Howard av.  
 Gruener, H. A., *Ass't.* (p. 39) (LIBR.) 522 Howard av.  
 Gubelmann, A. E., g 12 Broad st.  
 Guernsey, H. H., Jr. *d* 623 E. D.  
 Guernsey, J. E., *t* New Britain  
 Guffey, T. H., Sr. *s* 111 Grove st.  
 Gulliver, L. J., Spec. *s* 333 York st.  
 Gurley, M. B., Fr. *a* 584 P.  
 Guthrie, M. C., Sr. *s* 133 College st.  
 Guthrie, W. D., *Lect.* (p. 30) N. Y. City  
 Guy, H. H., g 696 w. d.  
 Haas, J. G., Jr., Sr. *a* 64 v.  
 Haberlin, J. H., Sr. *m* 333 York st.  
 Hackett, J. F., Sr. *a*, *i m* Meriden  
 Hadley, A. T., *President* (p. 17) (wood.) 93 Whitney av.  
 Hadley, W. B., g, Jr. *for.* 94 Division st.  
 Haesche, W. E., *Instr.* (p. 30) 19 Whitney av.  
 Hagar, J. W., Fr. *s* 425 Temple st.  
 Hail, W. J., Mid. *d* 631 E. D.  
 Hall, A. C., Jr. *s* 6 Pearl st.  
 Hall, A. L., *t* 38 Lynwood pl.  
 Hall, E. A., Jr. *s* 133 College st.  
 Hall, E. L., *t* 74 Lake pl.  
 Hall, I. S., Fr. *a* 96 Park st.  
 Hall, M. B., So. *a* 22 College st.  
 Hall, W. C., Jr. *a* 398 B.  
 Hall, W. P., Fr. *a* 581 P.  
 Halladjian, I. H., *i m* 21 Sperry st.  
 Hallender, L. J. E., g 31½ Broadway  
 Halpen, A. C., Mid. *l* 128 High st.  
 Halsey, J. R., Fr. *a* 192 York st.  
 Halton, E. P., 2 *m* 565 Howard av.  
 Hamel, H. F., Fr. *s* 405 George st.  
 Hamill, A. E., So. *a* 22 College st.  
 Hamilton, F. P., g, Jr. *for.* 74 Winchester av.  
 Hamilton, F. W., Jr. *m* 122 Howe st.  
 Hamilton, H. T., Jr. *a* 11 v.  
 Hamilton, W. F., g 131 Washington av.  
 Hamlin, B. P., Fr. *a* 149 F.  
 Hamlin, C. J., Sr. *a* 39 v.  
 Hamlin, H. S., Jr. *s* 131 Grove st.  
 Hamlin, W. R., Mid. *d* 621 E. D.  
 Hammond, C., Jr. *m* 14 Vernon st.  
 Hammond, F., Fr. *a* 250 York st.  
 Hammond, H. E., Fr. *a* 550 P.  
 Hammond, J. H., *Prof.* (p. 21) Mills B'd'g., N. Y. City  
 Hammond, S. M., *Ass't.* (p. 35) 105 College st.  
 Hand, C. W. H., *Ass't.* (p. 39) 158 York st.  
 Handel, F. J., Sr. *a* 434 FW.  
 Handel, L. W., Fr. *a* 434 FW.  
 Hannahs, G. C., Fr. *a* 229 D.  
 Hanson, W. T., Jr., So. *a* 18 College st.  
 Hardin, R. H., Jr. *s* 82 Wall st.  
 Hardy, E. K., Jr. *s* 133 College st.  
 Hare, M. S., So. *a* 22 College st.  
 Harger, J. C., *Ass't.* (p. 39) 14 University pl.  
 Harley, J. A., Fr. *a* 75 Edgewood av.  
 Harlvi, F. E., Fr. *a* 542 P.  
 Harmon, A. M., g 213 York st.  
 Harmount, G. S., Jr. *s* 98 Howe st.

- Harmount, W. L., Sr. *a* Pine Orchard  
 Harper, J. M., *g*, Grad. *d* 613 E. D.  
 Harriman, C. H., *Instr.* (p. 30)  
 42 Church st.  
 Harrington, A. I., Jr. *a* 270 L.  
 Harrington, S. M., Fr. *a* 238 York st.  
 Harris, C. S., So. *a* 333 York st.  
 Harris, F. M., Jr. *s* 96 Wall st.  
 Harris, G. M., So. *a* 120 High st.  
 Harris, W. D., Fr. *a* 250 York st.  
 Harris, W. H., Fr. *a* 563 P.  
 Harrison, C. H., Sr. *d* 638 E. D.  
 Harrison, F. B., *g* 83 Grove st.  
 Harrison, W. H., Jr. *s* 1 Hillhouse av.  
 Hart, A. L., Sr. *a* 440 FW.  
 Hart, A. S., *t* 38 Howe st.  
 Hart, J. D., Jr. *l* 113 Wolcott st.  
 Hart, W. D., Jr. *a* 246 L.  
 Hartjen, H. F., Sr. *a* 388 B.  
 Hartridge, J., Sr. *a* 45 v.  
 Hartshorne, D. R., Jr. *s*  
 17 Hillhouse av.  
 Hartwell, E. S., Jr. *a* 390 B.  
 Harvey, D. G., Fr. *s* 389 Temple st.  
 Harwell, R. R., Sr. *d*  
 Lowell House, Franklin st.  
 Harwi, F. E., Fr. *a* 542 P.  
 Hasbrouck, G. S., Jr. *s* 82 Wall st.  
 Hasenwinkle, R. E., Jr. *s*  
 1 Hillhouse av.  
 Haserot, A., So. *a* 1076 Chapel st.  
 Haskell, W., *Sup't.* (p. 39) (Reading Room)  
 96 Dwight st.  
 Hastings, C. S., *Prof.* (p. 20)  
 (120 WINCH.) 248 Bradley st.  
 Hastings, K. P., *f* 248 Bradley st.  
 Hastings, N. S., So. *a* 225 D.  
 Hata, I., *g* 561 Howard av.  
 Hausberg, E., *g* A.  
 Hausman, F. G., *Spec. s* 85 Asylum st.  
 Havemeyer, A., Jr. *a* 69 v.  
 Havemeyer, R., Fr. *s* 397 Temple st.  
 Haven, G. A., Fr. *s* 34 Trumbull st.  
 Hawk, I. T., Jr. *d* 675 W. D.  
 Hawkes, H. E., *Instr.* (pp. 30, 114, 117)  
 20 Carmel st.  
 Hawley, C. R., 2 *m* 1081 Chapel st.  
 Hawley, E. R., *mus.* Shelton  
 Hawley, J. M., *mus.* Bridgeport  
 Hawley, R. C., *g*, Jr. *for.*  
 214 Dixwell av.  
 Haws, H. E., So. *a* 219 D.  
 Hayes, E. F., So. *a* 165 P.  
 Hayes, F. A., Fr. *a* 569 P.  
 Hayes, J. A., *t* 600 Grand av.  
 Haynie, D. P., Fr. *a* 573 P.  
 Hazard, R., Sr. *a* 331 WH.  
 Hazen, P. T., Mid. *l* 112 Whalley av.  
 Headley, H. W., Fr. *a* 208 D.  
 Heady, L. E., Jr. *s* Milford  
 Heaton, D. R. P., Fr. *a* 543 P.  
 Heaton, J. E., *Gymn. Com.* (p. 509)  
 245 York st.  
 Heckscher, G. M., Fr. *a* 242 York st.  
 Heczko, G., Res. Lic. *d*  
 300 Humphrey st.  
 Hedges, S. F., Sr. *a* 395 B.  
 Hedrick, E. R., *Instr.* (p. 30)  
 13 Park st.  
 Heery, F. P., *Ass't.* (p. 35)  
 158 Olive st.  
 Hemingway, R. W., So. *a*  
 18 College st.  
 Hemingway, S. B., Jr. *a* 294 W.  
 Hemingway, S. C., Fr. *s*  
 425 Temple st.  
 Hempy, F. C., Jr. *l* 8 Prospect pl.  
 Hendel, G. S., So. *a* 249 L.  
 Henderson, E. L., Sr. *d*  
 356 Crown st.  
 Henderson, W. F., Jr. *for.*  
 74 Lake pl.  
 Henderson, Y., *Instr.* (p. 30)  
 400 Prospect st.  
 Henney, D. B., Fr. *s* 1210 Chapel st.  
 Henning, J. L., Jr., Jr. *l* 260 Crown st.  
 Henry, A. B., So. *a* 686 W. D.  
 Henry, A. I., *g* 82 York sq.  
 Henry, E. R., Sr. *a* 391 B.  
 Henry, G. G., *g* A.  
 Henry, G. P., Sr. *s* 17 Hillhouse av.  
 Henry, H. H., So. *a* 157 F.  
 Herbert, M., Jr. *l* 118 Hamilton st.  
 Herrick, W. W., 2 *m* 33 Wall st.  
 Hertz, L., So. *a* 415 B.  
 Hervey, W. L., *Lect.* (pp. 30, 416)  
 N. Y. City  
 Hess, J. S., Sr. *a* 24 v.  
 Hess, W. M., *Lecturer and Recorder*  
 (pp. 30, 129, 134, 137, 283)  
 (135 Elm st.) 203 Lawrence st.  
 Hessler, H. P., Sr. *m* 898 State st.  
 Hewitt, B., Sr. *a* 54 v.  
 Hewitt, C. F., Fr. *a* Meriden  
 Hewitt, N. G., Jr. *l* 260 Crown st.  
 Heyl, F. W., Jr. *s* 106 Wooster st.  
 Hickey, C. E., Sr. *l* 1204 Chapel st.  
 Hickox, W. B., Fr. *s* 389 Temple st.

- Higby, H. E., *mus.* 97 Dwight st.  
 Higday, H. M., Sr. *l* 800 George st.  
 Higgins, G. B., Fr. *a* 233 York st.  
 Higgins, H. M., *t* 222 Sherman av.  
 Higgins, W. G., Sr. *s* 120 College st.  
 Hilditch, W. W., Fr. *s* 87 Poplar st.  
 Hildreth, A. W., So. *a* 258 L.  
 Hileman, A., Sr. *a* 74 s. m.  
 Hill, C., Fr. *a* 238 York st.  
 Hill, E., *t* 37 Howe st.  
 Hill, E. F., *Sup't.* (p. 39) 108 College st.  
 Hill, E. G., Jr. *s* 119 Wall st.  
 Hill, R. T., Jr. *a* 140 F.  
 Hill, T. E., So. *a* 34 Day st.  
 Hilliard, C. G., Sr. *m* Cedar st.  
 Hillman, E., Fr. *s* 423 Temple st.  
 Himmelman, E. L., Spec. *s* 333 York st.  
 Hine, L. J., *mus.* 587 State st.  
 Hinkle, A. H., Jr., Fr. *s* 133 College st.  
 Hirano, I., *g* 373 Crown st.  
 Hirschfeld, W. C., *f* 668 w. d.  
 Hiscox, E. T., 2d., Jr. *a* 368 wH.  
 Hiss, H. W., Fr. *s* 333 York st.  
 Hitchcock, C., Jr., Sr. *a* 332 wH.  
 Hoadley, C. B., Sr. *s* Branford  
 Hodge, H., Spec. *s* 122 Wall st.  
 Hodgson, A. E., Sr. *s* 8 University pl.  
 Hoffecker, D. M., So. *a* 129 F.  
 Hofstad, H. O., Sr. *a*, Jr. *d* 689 w. d.  
 Hogan, J. J., So. *a* 214 D.  
 Hogan, T. N., Jr. *l*  
 Hokodachi, Y., *g*, Jr. *for.* 363 Crown st.  
 Holaday, E. A., Fr. *a* 283 Lenox st.  
 Holbrook, C. S., Sr. *a* 430 FW.  
 Holden, L. H., *g* Waterbury  
 Holden, W. C., Jr. *l* 86 Broadway  
 Hollaman, R. W., Jr. *l* 333 York st.  
 Hollis, F. S., *Instr.* (p. 30) 29 Norton st.  
 Hollister, B., So. *a* 22 College st.  
 Holmes, J. H., Jr. *a* 11 v.  
 Holmes, W. H., Grad. *l* 159 Elm st.  
 Holsapple, L. B., So. *a* 234 D.  
 Holt, H. C., Sr. *a* 461 FW.  
 Holt, L. H., *g* 84 Wall st.  
 Holt, M. C., *g*, Mid. *d* 687 w. d.  
 Holter, A. M., So. *a* 22 College st.  
 Holton, H. F., Jr. *d* 646 E. D.  
 Homans, G. M., *s for.* A.  
 Hone, H., Fr. *a* 533 P.  
 Hooker, T., Jr., Sr. *a* 321 W.  
 Hooper, S. U., Sr. *a* 424 FW.  
 Hopkins, A. D., *Lect.* (p. 30) Morgantown, W. Va.  
 Hopkins, E. W., *Prof.* (pp. 21, 88, 132, 278) 235 Bishop st.  
 Hopkins, J. H., Jr., Jr. *a* 340 wH.  
 Hoppin, J. M., *Prof.* (p. 17) 47 Hillhouse av.  
 Hopwood, J. L., Sr. *d* 614 E. D.  
 Horn, W. C., Jr., Jr. *s* 82 Wall st.  
 Horton, J. W., *i m* 561 Howard av.  
 Hosford, W. D., Fr. *s* 242 York st.  
 Hoss, M. E., *g* 20 Eld st.  
 Hoster, A. C., *t* 102½ Park st.  
 Hoster, H. A., Sr. *s* 116 High st.  
 Hotchkiss, A. S., *Priv. Sec'y.* (p. 39) (WOOD.) 1501 Chapel st.  
 Hotchkiss, B. A., *f* Shelton  
 Hotchkiss, F. E., *Sup't.* (p. 34) (F. OSBORN) 104 High st.  
 Hotchkiss, G. B., So. *a* 402 B.  
 Houghteling, J. L., Jr., So. *a* 238 D.  
 Houghton, R. M., Jr. *d* 715 w. d.  
 Houston, H., *t* 403 Edgewood av.  
 Howard, E. F., Jr. *s* 17 Hillhouse av.  
 Howard, J. J., Jr. *s* 162 Saltonstall av.  
 Howard, L. A., Sr. *a* 138 F.  
 Howard, L. G., Fr. *s* 413 Temple st.  
 Howard, M. A., So. *a* 22 College st.  
 Howe, E. G., Fr. *a* 560 P.  
 Howe, H. S., Spec. *s*  
 Howe, J. R., Jr. *a* 330 W.  
 Howe, R. R., So. *a* 227 D.  
 Howland, F. E., Jr. *a* 1076 Chapel st.  
 Howland, H. E., *Fellow* 14 W. 9th st., N. Y. City  
 Hoyt, L., Fr. *a* 203 York st.  
 Hubbard, A. K., *Ass't.* (p. 36) 113 College st.  
 Hubbell, C. M., *g* 409 Orange st.  
 Hubbell, G. C., Fr. *s* 110 Wall st.  
 Hudnut, M., Fr. *a* 242 York st.  
 Huff, J. B., Jr. *a* 316 W.  
 Hughes, B., So. *a* 22 College st.  
 Hughes, J. J., Jr. *l* 137 Olive st.  
 Hull, A. L., So. *a* 233 D.  
 Hull, A. W., So. *a* 206 D.  
 Hull, E. B., So. *a* 204 D.  
 Hull, H. G., Fr. *s* 1 Hillhouse av.

Hull, N. C., Sr. *a* 204 D.  
 Humiston, H. D., Jr. *l* 706 W. D.  
 Humphrey, A. P., Jr., Fr. *a* 250 Crown st.  
 Humpstone, E. B., Fr. *a* 422 B.  
 Hunt, E. M., Fr. *s* 128 High st.  
 Hunt, J. W., Jr. *m* 1142 Chapel st.  
 Hunt, P. W., Fr. *a* 539 P.  
 Hunt, R. A., Sr. *a* 423 FW.  
 Hunt, W. G., Fr. *a* 315 Crown st.  
 Hunt, W. S., *g* A.  
 Hunting, H., Mid. *d* 624 E. D.  
 Huntington, H. S., Jr., Jr. *a* 376 WH.  
 Hupfel, O. G., Spec. *s* 126 High st.  
 Hurd, E. H., So. *a* 62 Dwight st.  
 Hurst, A. S., *g* Bridgeport  
 Hurst, G. S., Sr. *a* 435 FW.  
 Hutchins, A. E., Ass't. (p. 39) Library  
 Hutchins, E. J., Jr. *s* 192 Division st.  
 Hutchinson, H. L., Sr. *s* Branford  
 Hutchinson, W. I., Sr. *for*. 70½ Winchester av.  
 Hutt, C. S., Fr. *a* 69 Mechanic st.  
 Hyatt, H. H., So. *a* 160 F.  
 Hyatt, R. B., Sr. *a* 251 L.  
 Hyatt, W. C., So. *a* 251 L.  
 Hyde, F. S., *t* 21 Whalley av.  
 Hyde, T. H., So. *a* 175 F.  
 Hyde, W. A., *g* 86 Pearl st.  
 Hyde, W. S., Jr. *l* 565 Howard av.  
 Hynes, T. V., Ass't. (p. 36) 27 College st.  
 Iddings, L. L., *g* Orange, N. J.  
 Ierardi, R., Mid. *l* 539 Chapel st.  
 Imes, R. P., Jr. *for*. 182 Mansfield st.  
 Ingersoll, J. W. D., Ass't. Prof. (pp. 25, 80, 81) 311 Crown st.  
 Ingham, R. M., Jr. *s* 133 College st.  
 Ingraham, C. E., Sr. *s* 677 W. D.  
 Irvine, A. F., Jr. *d* 247 Lexington av.  
 Irvine, W. L., Sr. *a*, *l m* 342 WH.  
 Irwin, F. C. R., 2 *m* 109 York st.  
 Ives, E. B., Sr. *m* 256 State st.  
 Jack, W. J., So. *a* 1081 Chapel st.  
 Jackson, F. V., Fr. *s* 411 Temple st.  
 Jackson, P. V. C., Fr. *a* 22 College st.  
 Jackson, R., Sr. *s* 96 Wall st.  
 Jackson, S. F., *l m* 56 Frank st.  
 Jacobus, C. S., So. *a* 225 D.

James, H., Sr. *a* 37 v.  
 Jamieson, C. M., Jr. *s* Bridgeport  
 Jamieson, G. S., Ass't. (p. 36) 162 S. L.  
 Jamison, H. B., Fr. *a* 359 WH.  
 Janney, R. D., Fr. *a* 575 P.  
 Jarvis, H. G., Fr. *a* 1081 Chapel st.  
 Jarvis, R. S., Jr. *a* 347 WH.  
 Jeck, H. S., Jr. *s* 131 High st.  
 Jefferson, C. E., Fellow 42 W. 71st st., N. Y. City  
 Jefferson, T. L., Jr., Jr. *a* 69 v.  
 Jeffords, W. M., Fr. *a* 22 College st.  
 Jelliffe, R. A., So. *a* 422 B.  
 Jennings, B. D., Fr. *s* 126 Wall st.  
 Jennings, N., Jr. *a* 376 WH.  
 Jennings, P. H., Jr. *a* 335 WH.  
 Jennings, R. G., Fr. *a* 1076 Chapel st.  
 Jente, A. H., Jr. *l* 97 Bristol st.  
 Jente, P. J. H., *g* 97 Bristol st.  
 Jente, W. J. E., Instr. (pp. 30, 101) 97 Bristol st.  
 Jepson, H. B., Ass't. Prof. (pp. 26, 153, 155) (126 College st.) 55 Dwight st.  
 Jerome, L. E. D., *s for*. A.  
 Johnson, A. S., *f* 374 Grand av.  
 Johnson, C. W., *g* 33 Lock st.  
 Johnson, E. D., Fr. *s* 364 Orchard st.  
 Johnson, F. E., Jr., Jr. *s* 111 Grove st.  
 Johnson, F. J., Fr. *s* 663 W. D.  
 Johnson, G. A., Ass't. (p. 39) (LIBR.) 186 Bradley st.  
 Johnson, H. P., *g* 174 Bradley st.  
 Johnson, S. W., Prof. (p. 18) 54 Trumbull st.  
 Johnson, T. B., Instr. (p. 30) 162 S. L.  
 Johnson, T. R., 2 *m* 1142 Chapel st.  
 Johnson, W. C., Fr. *a* 173 F.  
 Johnson, W. K., Fr. *a* 238 York st.  
 Johnson, W. S., *g* 311 York st.  
 Johnston, D. K., Sr. *a* 459 FW.  
 Johnston, E. C., Fr. *s* 393 Temple st.  
 Johnston, F. A., Sr. *a* 283 Crown st.  
 Johnston, L. W., So. *a* 22 College st.  
 Johnston, S. P., So. *a* 263 L.  
 Johnston, T. E., Fr. *s* 413 Temple st.  
 Johnston, W. P., Sr. *a* 456 FW.  
 Jones, A. C., Fr. *s* 82 Wall st.  
 Jones, E. S., *g* 387 Edgewood av.



- Jones, F. O., *g* 387 Edgewood av.  
 Jones, G. D., Grad. *l* 800 George st.  
 Jones, G. R., Grad. *l* 333 York st.  
 Jones, N. R., Sr. *a* 61 v.  
 Jones, O. L., Jr., So. *a* 302 w.  
 Jones, T., Jr. *d* 696 w. d.  
 Joslyn, C. W., Fr. *s* 85 Sachem st.  
 Jourdan, I. S., Jr. *s* Branford  
 Joy, A. B., *g* 33 Wall st.  
 Joy, C. S., Jr. *a* 349 WH.  
 Judd, C. H., Instr. (pp. 30, 129, 133, 136, 274, 276) 18 Lincoln st.  
 Judd, C. S., So. *a* 23 v.  
 Judd, E. W., So. *a* 257 L.  
 Judd, S. E., So. *a* 227 d.  
 Judson, C. S., Sr. *s* 86 Wall st.  
 Kalaidjian, M. T., Jr. *d* 653 E. d.  
 Kane, J. P., Jr., Fr. *s* 110 Wall st.  
 Kaulukou, A. G., Jr. *l* 91 Park st.  
 Kawabe, J., *g* 363 Crown st.  
 Kay, F. W., Fr. *s* 391 Temple st.  
 Keach, W. E., Fr. *s* 124 Wall st.  
 Keating, T. E., Fr. *s* 13 Lake pl.  
 Keener, R. H., *g* 148 Norton st.  
 Keep, R. P., Jr., Sr. *a* 139 F.  
 Keith, I. P., Fr. *a* 486 Elm st.  
 Keleher, W. T., Mid. *l* 233 York st.  
 Keller, A. G., Ass't. Prof. (pp. 26, 145, 150) 183 Lawrence st.  
 Kelleter, P. D., *g*, Jr. *for.* 30 Tilton st.  
 Kelley, A. R., Jr. *a* 444 FW.  
 Kelley, A. W., Jr., Fr. *a* 238 York st.  
 Kelley, W. V., Lect. (p. 31) N. Y. City  
 Kellogg, G. D., Tutor (pp. 31, 81) 307 w.  
 Kellogg, H. R., Fr. *a* 54 Grove st.  
 Kelly, H. C., Sr. *a* 209 Norton st.  
 Kelly, R. F., 2 *m* 87 Park st.  
 Kelsey, G. R., *f* West Haven  
 Kendall, C. H., Sr. *s* 692 w. d.  
 Kendall, C. R., Jr. *s* 692 w. d.  
 Kenna, F., Jr. *l* 40 Lake pl.  
 Kenna, W. M., Ass't. (p. 36) 145 Olive st.  
 Kennard, W. P., Fr. *s* 397 Temple st.  
 Kennedy, C. C., Jr. *a* 345 WH.  
 Kennedy, D. E., Sr. *a* 308 w.  
 Kennedy, H. L., 1 *m* 159 York st.  
 Kennedy, J. R., Fr. *a* 22 College st.  
 Kennedy, J. W., Fr. *s* 391 Temple st.  
 Kennedy, P. B., Ass't. (p. 36) Derby  
 Kennedy, W. D., Fr. *s* 386 Howard av.  
 Kennedy, W. E., Jr. *l* 24 Rosette st.  
 Kennedy, W. H., So. *a* Derby  
 Kennerdell, G. B., Sr. *l* 297 George st.  
 Kent, C. F., Prof. (pp. 24, 89, 300, 303, 404, 418, 421) (171 F.) 406 Humphrey st.  
 Kent, E. S., Jr. *s* 119 Wall st.  
 Kent, F. S., Sr. *a* 470 FW.  
 Kent, T., Fr. *a* 342 Crown st.  
 Keogh, A., Librarian and Lecturer (p. 31) 751 George st.  
 Kerr, A. H., Jr. *a* 240 d.  
 Kerr, R. W., Sr. *m* 718 w. d.  
 Kerr, W. B., Jr. *s* 117 Wall st.  
 Kerrigan, C. F., So. *a* 151 F.  
 Kilbourn, C. L., Ass't. (p. 36) 20 Woolsey st.  
 Kilburn, J. B., Sr. *a* 436 FW.  
 Kimura, R., Mid. *l* 31 Audubon st.  
 Kineon, J. P., Jr. *s* 137 College st.  
 King, A. R., Fr. *a* 586 P.  
 King, E. B., *g* A.  
 King, G. L., Fr. *s* 391 Temple st.  
 King, J. L., *f* West Haven  
 King, J. U., Sr. *d* 30 Winter st.  
 King, W. I., Jr. *a* 295 w.  
 Kingman, E. A., Sr. *a* 470 FW.  
 Kinne, G. B., Jr. *s* 82 Wall st.  
 Kinner, S. B., *t* West Haven  
 Kinney, G., So. *a* 212 d.  
 Kinney, J. N., Jr., Sr. *a* 20 v.  
 Kinney, R. P., Fr. *s* 119 Grove st.  
 Kirchoff, F. L., *mus.* 75 Maple st.  
 Kirkham, E., So. *a* 468 FW.  
 Kirkham, W. B., Jr. *a* 349 WH.  
 Kirkland, T. H., Jr. *a* 419 B.  
 Kirkwood, H. C., Sr. *s* 272 Orchard st.  
 Kirtland, L. S., Sr. *a* 17 v.  
 Kitchel, C. L. (p. 39) (4 Phelps) 253 Lawrence st.  
 Kitchel, W. L., Instr. (p. 31) 120 Broadway, N. Y. City  
 Kittle, J. C., Jr. *a* 356 WH.  
 Klebe, C. A., *t* 179 Portsea st.  
 Kleiser, G. P., Instr. (pp. 31, 423) (609 E. d.) 24 W. 22d st., N. Y. City  
 Klenke, H. F., Ass't. (p. 36) 11 Wooster pl.  
 Klett, F. W., Fr. *s* 293 York st.  
 Kling, L. W., *g* 105 Park st.  
 Knapp, H. H., Lect. (p. 31) Bridgeport  
 Knapp, M., Jr. *s* 120 College st.



- Kneeland, G. J., Mid. *d* 694 W. D.  
 Knepper, L. M., *g* • 366 Whalley av.  
 Knight, A. P., *Ass't.* (p. 36) 132 Wall st.  
 Knight, H., Jr. *s* 111 Grove st.  
 Knight, H. S., *Instr.* (pp. 31, 155) (38 College st.) 258 Bradley st.  
 Knollmeyer, L. F., Fr. *s* 37 Sylvan av.  
 Knowlton, J. C., *t* 88 Howe st.  
 Knox, G. W., *Lect.* (p. 31) N. Y. City  
 Knox, J. W., Jr. *a* 217 D.  
 Koayumjian, Y. H., Jr. *s* 322 George st.  
 Kobbe, W. H., Jr. *for.*, Spec. *s* 8 Prospect pl.  
 Koch, E., Sr. *for.* 39 Lynwood pl.  
 Kochersperger, E. S., Fr. *a* 529 P.  
 Kochersperger, H., Fr. *s* 419 Temple st.  
 Koehler, W. R., Fr. *a* 547 P.  
 Kogel, B. W., *Ass't.* (p. 39) GYMN.  
 Kone, S. C., Mid. *l* 41 Broad st.  
 Kornblut, L. A., 2 *m* 124 Washington av.  
 Krcider, D. A., *Ass't. Prof.* (pp. 26, 118) (Sloane Lab'y.) 298 Lawrence st.  
 Kreider, J. L., *g* 281 Crown st.  
 Kudo, T., *g* 722 W. D.  
 Kunkel, B. W., *Ass't.* (p. 36) 2 Hillhouse av.  
 Kurata, Y., *g* 6 Trumbull st.  
 Lacey, E. M., So. *a* 313 W.  
 LaCour, A. B., Jr. *a* 240 D.  
 Ladd, G. T., *Prof.* (pp. 19, 129, 131, 134, 272, 276, 282, 415) (275 L.) 204 Prospect st.  
 Lamb, A. R., Sr. *a* 460 FW.  
 Lambert, A., *t* 263 Orange st.  
 LaMont, C. A., So. *a* 210 D.  
 Lamontagne, H. J., 1 *m* Meriden  
 Lamson, G. C., So. *a* 172 F.  
 Lane, F. P., Jr. *m* 67 Howe st.  
 Lane, G. T., Jr. *a* 34 V.  
 Lane, J. E., Sr. *m* 88 Park st.  
 Lane, T. T., Sr. *a* 45 V.  
 Lang, H. R., *Prof.* (pp. 21, 98, 99) (244 L.) 60 Trumbull st.  
 Langley, R. W., *g* 229 Blatchley av.  
 Langley, S. S., Sr. *s* 229 Blatchley av.  
 Langley, W. C., Sr. *a* 4 V.  
 Langzettell, G. H., *Ass't.* (p. 36) 725 Whitney av.  
 Larkin, H. F., Fr. *a* West Haven  
 Lathrop, J. E., Fr. *a* 231 York st.  
 Lathrop, J. H., Fr. *a* 22 College st.  
 Lathrop, W. G., *g*, Grad. *d* Shelton  
 Latimer, A. C., *g* 1179 Chapel st.  
 Latimer, C. M., Sr. *a* 143 F.  
 Latimer, E. S., So. *a* 159 Elm st.  
 Latting, E., Jr. *a* 438 FW.  
 Lauber, J. E., Sr. *l* 112 St. John st.  
 LaVake, R. T., So. *a* 18 College st.  
 Lavalaye, J. P., Sr. *m* 133 Davenport av.  
 LaVie, G. A., Jr., Fr. *a* 250 York st.  
 Lavigne, D. E., Jr. *l* 175 Chestnut st.  
 Lawrance, C. L., So. *a* 22 College st.  
 Lawrance, C. W., Jr. *a* 447 FW.  
 Lawrence, H. W., Jr., Fr. *a* 80 S. M.  
 Lawton, A. R., Fr. *s* 387 Temple st.  
 Leach, G. S., Sr. *a* 375 WH.  
 Leahy, S. R., 2 *m* 9 Day st.  
 Learned, H. B., *Instr.* (pp. 31, 204) 208 St. Ronan st.  
 Leary, T. A., Sr. *l* 213 York st.  
 Leavenworth, C. S., *g* Whitneyville  
 Leavenworth, J. W., Fr. *s* 536 P.  
 LeBlanc, S. A., So. *a* 22 College st.  
 Lee, R. E., Jr. *l* 166 Ashmun st.  
 Leech, R., Fr. *a* 548 P.  
 Leggett, G. B., Fr. *a* 599 P.  
 Lent, F., *Instr.* (pp. 31, 91, 418, 422) 129 Dwight st.  
 Leonard, C. A., So. *a* 1076 Chapel st.  
 Leonard, G. E., Sr. *a* 461 FW.  
 Lester, O. C., *Ass't.* (p. 36) 497 Elm st.  
 Letchworth, G. J., Jr. *s* 82 Wall st.  
 Levan, J. K., 1 *m* 64 Wooster st.  
 Levvy, H. L., Jr. *s* 96 Wall st.  
 Levy, L. H., Jr. *s* 51½ Washington av.  
 Lewis, A. H., So. *a* 11 V.  
 Lewis, C. M., *Prof.* (pp. 23, 106, 110, 112) (133 F.) 158 Whitney av.  
 Lewis, D. P., Sr. *a* 28 V.  
 Lewis, E. C., *g* A.  
 Lewis, E. M., Fr. *s* 389 Temple st.  
 Lewis, E. R., Sr. *l* 159 Elm st.  
 Lewis, G. B., Jr. *l* Bridgeport  
 Lewis, H. B., Jr. *l* 42 Lake pl.  
 Lewis, J. G., *t* 438 George st.  
 Lewis, J. H., Sr. *l* 17 Edgewood av.  
 Lewis, L., Fr. *s* 455 George st.  
 Lewisohn, O. A., Jr. *s* 86 Wall st.  
 Leyerzapf, L., *Clerk* (p. 39) 545 Grand av.

- L'Hommedieu, C. H., Sr. *a* 350 WH.  
 Liebman, W., 2 *m* 765 Grand av.  
 Lilley, W. A., Jr., Sr. *s* 677 W. D.  
 Limauro, L. H., 1 *m* 209 Wallace st.  
 Lindeman, E. E., 2 *m* 135 Howe st.  
 Lindenberg, P., Sr. *a* 58 v.  
 Lindenberg, R., Fr. *s* 120 High st.  
 Lindsay, F. N., *g* A.  
 Lindsley, C. A., Prof. (p. 17) 15 Elm st.  
 Lines, E. M., Sr. *s* 221 Wooster st.  
 Linxweiler, J. J., Mid. *l* S. Norwalk  
 Little, E. S., So. *a* 22 College st.  
 Littlefield, C. W., Sr. *a* 456 FW.  
 Littlejohn, P. D., Ass't. (p. 36) 312 Elm st.  
 Livingston, B. U., Jr., Jr. *a* 235 D.  
 Lobdell, C. W., Fr. *s* 119 Grove st.  
 Lockwood, C. D., Registrar (p. 39) (Hendrie Hall) 333 York st.  
 Lockwood, E. H., Ass't. Prof. (p. 26) (110 WINCH.) 79 Division st.  
 Lockwood, F., Sr. *a* 292 W.  
 Loeb, J. A., Sr. *m* 269 Portsea st.  
 Loeb, M. C., Sr. *s* 129 St. John st.  
 Loewith, W., Jr. *s* 126 Wall st.  
 Logan, E. C., *t* 483 East st.  
 Lohman, A., *f* Meriden  
 Long, A. C., Sr. *a* 355 WH.  
 Long, C. B., Jr. *s* 133 College st.  
 Longwell, R. Jr. *a* 174 F.  
 Loomis, H. N., *g* 18 Ward st.  
 Loomis, J. L., *g*, Jr. *l* 114 High st.  
 Loomis, M. F., *f* 79 Cottage st.  
 Loomis, W. K., So. *a* 219 D.  
 Lord, F. B., Jr., So. *a* 22 College st.  
 Lord, H. G., Jr. *a* 289 W.  
 Loudenslager, H. H., So. *a* 250 Crown st.  
 Lounsbury, T. R., Prof. (p. 18) 22 Lincoln st.  
 Love, H. K., Jr. *a* 343 WH.  
 Love, L. M., Fr. *s* 389 Temple st.  
 Lovejoy, A. P., Jr., Jr. *a* 447 FW.  
 Lovelace, W. D., So. *a* 9 Library st.  
 Lovell, G., *g* A.  
 Lovell, G. B., Ass't. (p. 39) Guilford  
 Low, G. C. W., Fr. *a* 203 York st.  
 Lowe, H. O., Sr. *l* 121 York st.  
 Lowes, J. E., Jr., Jr. *s* 17 Hillhouse av.  
 Lubken, F. L. H. von, Jr. *d* 635 E. D.  
 Lum, F. A., Fr. *a* West Haven  
 Lupton, D. R., Fr. *s* 421 Temple st.  
 Lupton, E. R., Fr. *a* 233 York st.  
 Luquiens, F. B., Instr. (p. 31) 201 Bishop st.  
 Luquiens, H. M., *f* 201 Bishop st.  
 Luscher, J. S., Sr. *l*  
 Lutz, A. R., *g*, Grad. *d* Oakville.  
 Lyman, A. R., Jr. *m* 391 Crown st.  
 Lyman, E. J., 2 *m* 236 Crown st.  
 Lyman, V. B., Jr. *s* 110 Wall st.  
 Lynch, E. D., Fr. *s* 128 Wall st.  
 Lyon, T. W., Sr. *m* 333 Cedar st.  
 Lyon, W. A., Sr. *a* 367 WH.  
 Lyons, B. E., So. *a* 165 F.  
 Lyons, H. P., Sr. *l* Bridgeport  
 Lyons, J. P., Fr. *a* 13 Lake pl.  
 Lyons, R., Sr. *a* 321 W.  
 McAllister, C. N., Lect. (pp. 31, 133, 272, 279) 33 Lake pl.  
 McAuley, O. P., Ass't. (p. 36) 361 Orange st.  
 McBeath, W. D., *f* 105 Edgewood av.  
 Macbeth, G. F., Fr. *s* 113 Wall st.  
 McBride, D., Fr. *a* 553 F.  
 McCabe, E. M., Ass't. (p. 36) 224 Orange st.  
 McCain, C. S., Jr. *a* 287 W.  
 McCandless, T., Sr. *d* 682 W. D.  
 McCarthy, D. J., Jr. *l* 254 Crown st.  
 McCarthy, F. M., Jr. *l* Ansonia  
 McClean, A. M., Jr. *a* 285 W.  
 McClenahan, F. M., Ass't. (p. 36) 131 Dwight st.  
 McClenon, R. B., *g* 366 Whalley av.  
 McClintock, H. C., Sr. *a* 29 v.  
 McClintock, W. S., Fr. *a* 242 York st.  
 McClure, J. G. K., Jr., Fr. *a* 558 F.  
 McCormick, R. R., Sr. *a* 36 v.  
 McCoy, F. J., Jr. *l* 297 George st.  
 McCoy, W. R., So. *a* 89 S. M.  
 McCullough, A. S., So. *a* 47 Lake pl.  
 McCully, W. D., Fr. *s* 333 Crown st.  
 McCune, W. P., Fr. *a* 237 York st.  
 MacCurdy, G. G., Lecturer (pp. 31, 290) (9 M.) 237 Church st.  
 McDermott, P. J., Jr. *l* 9 Library st.  
 McDonald, I., Sr. *a* 334 WH.  
 MacDonald, W., Jr. *l* 1233 Chapel st.  
 McDonnell, R. A., Prof. (p. 24) 1142 Chapel st.  
 McDonough, J. P., Sr. *a* 38 Hallock st.  
 McDonough, P. F., Mid. *l* 9 Library st.

- MacDowell, N., Jr., Fr. *a* 577 P.  
 MacDuffee, C. B., Sr. *d* 622 E. D.  
 Mace, A. W., Fr. *a* 583 P.  
 McEvoy, J. J., Jr. *l* 115 Dwight st.  
 McFarland, D. F., *g* 22 Whalley av.  
 McFarland, M. A., *t* 287 Willow st.  
 McGee, D. A., Fr. *a* 250 York st.  
 McGregor, E. F., Mid. *d* 684 W. D.  
 MacGuffey, K. R., Fr. *a* 247 L.  
 Macgurn, S. W., Fr. *a* 192 York st.  
 McIntosh, A. D., Sr. *a* 1157 Chapel st.  
 McIntosh, E. F., Ass't. (p. 36) 192 York st.  
 Mackay, N. M., Sr. *s* 131 Grove st.  
 McKee, D. R., Jr., Sr. *a* 62 v.  
 McKell, W. S., Fr. *s* 419 Temple st.  
 McKenzie, K., Instr. (pp. 31, 95, 97) 67 Mansfield st.  
 McKesson, D., Sr. *a* 373 WH.  
 McKinstry, A. P., So. *a* 269 L.  
 McKnight, R. L., Sr. *a* 30 v.  
 McLanahan, W., Fr. *s* 86 Wall st.  
 MacLane, D. B., Sr. *a* 139 F.  
 MacLane, S. R., Fr. *a* 33 Howe st.  
 McLaughlin, M., *g* 486 Elm st.  
 McLean, A. S., Fr. *s* 110 Wall st.  
 MacLean, H. C., Sr. *a* 19 v.  
 McLennon, C. W., Fr. *a* 92 York sq.  
 MacMahon, W. J., Jr. *l* 333 York st.  
 McMillan, G., Fr. *s* 405 Temple st.  
 Macneale, E. S., So. *a* 155 Elm st.  
 McQueeney, M. A., 2 *m* 160 Lamberton st.  
 McWilliams, A. F., Jr. *s* 117 Wall st.  
 Madsen, A. A., Sr. *d* 714 W. D.  
 Mag, I. H., Mid. *l* Meriden  
 Magee, J. G., Fr. *a* 358 WH.  
 Mahon, J. C., Jr. *l* 279 Crown st.  
 Mahon, W. F., Jr. *l* 64 Lake pl.  
 Mahoney, J. G., Sr. *m* 333 Cedar st.  
 Mailhouse, M., Lect. (p. 31) 151 Meadow st.  
 Maki, W., *g* 32 Grove st.  
 Malcolm, A. S., So. *a* 269 L.  
 Malcolm, W. D., *g* 33 Bishop st.  
 Mallam, G. H., Jr., Jr. *s* 119 Wall st.  
 Mallett, D. S., Fr. *a* 34 Lynwood pl.  
 Mallory, H. S., *g* 87 Dwight st.  
 Maltbie, W. M., Jr. *l* 333 York st.  
 Manierre, A., Sr. *a* 6 v.  
 Mann, P. F., Sr. *a* 13 v.  
 Manning, G. S., Mid. *l* 32 Stevens st.  
 Manning, J. P., Jr. *s* 17 Hillhouse av.  
 Mansfield, H. P., Fr. *s* 113 Wall st.  
 Mansfield, L. A., *t* 120 High st.  
 Marble, M. M., *g* 1589 Chapel st.  
 Marchant, O. H., Jr. *s* 133 Wall st.  
 Marcus, B. J., Sr. *l* 103 Park st.  
 Marcus, W. E., Jr., Fr. *a* 544 P.  
 Marlowe, T. N., Sr. *l* 251 Crown st.  
 Marsden, W. E., So. *a* 381 George st.  
 Marsh, T. M., Jr. *a* 291 W.  
 Marshall, B. G., Fr. *s* 407 Temple st.  
 Marshall, J., Sr. *a* 385 B.  
 Marshall, S., Sr. *s* 82 Wall st.  
 Marshall, W. C., Ass't. Prof. (pp. 26, 115) 313 Crown st.  
 Marston, R. L., Instr. (pp. 31, 386) 270 Crown st.  
 Martin, C., Sr. *l* 17 Edgewood av.  
 Martin, H., *g* 723 Elm st.  
 Martin, J. S., 2 *m* 87 Park st.  
 Martin, S. E., Fr. *s* 90 Wall st.  
 Mason, J., Jr., Fr. *s* 125 High st.  
 Mason, L., Jr. *a* 310 W.  
 Mason, M., Jr. *a* 315 W.  
 Mather, J. T., Jr., Mid. *l* 485 Elm st.  
 Mather, S. L., So. *a* 22 College st.  
 Mather, U. B., Jr. *s* 354 Humphreyst.  
 Mathews, B. V., Jr. *l* 561 Howard av.  
 Mathews, J. H., Sr. *l* 333 York st.  
 Matsuo, O., *g* 6 Trumbull st.  
 Matthews, J. L., Fr. *a* 214 D.  
 Mautte, J., Engineer (p. 39) Dudley st., Highwood  
 Maxson, R. M., *g* 87 Dwight st.  
 Maxwell, F. M., Jr. *a* 81 S. M.  
 May, T. F., Sr. *d* 641 E. D.  
 Mayer, M. M., Priv. Sec'y. (p. 39) (3 S. H.) 475 Elm st.  
 Mayesawa, H., Fr. *s* 8 Prospect pl.  
 Maynard, C., *g* A.  
 Maynard, J. F., Jr., Fr. *s* 393 Temple st.  
 Maynard, W. A., Ass't. (p. 39) (1 Phelps) 68 Gilbert av.  
 Mayo, N. B., Fr. *a* 242 York st.  
 Meachem, L. O., Fr. *s* 397 Temple st.  
 Mead, B. H., Fr. *a* 217 York st.  
 Mead, P. E., Mid. *l* 333 York st.  
 Mead, R., *g* 378 Crown st.  
 Meade, H. B., Fr. *s* 297 Ferry st.  
 Medway, H. E., Ass't. (p. 36) 64 Lake pl.  
 Meech, H. M., Jr. *a* 352 WH.  
 Meier, D. I., Fr. *a* 22 College st.

- Melcer, R. H., Sr. *a* 28 v.  
Mendel, L. B., *Ass't. Prof.* (p. 26)  
(63 B. L.) 18 Trumbull st.  
Mendell, C. W., Jr. *a* 291 w.  
Mendoza, A., Sr. *s* 88 Wall st.  
Mendoza, D., *mus.* 176 Meadow st.  
Menge, G. A., Sr. *s* 114 High st.  
Mercer, J. B., Sr. *l* 1151 Chapel st.  
Merrels, F. B., Jr. *l* 30 Pearl st.  
Merriam, H. F., *g* 162 s. L.  
Merrill, H. A., *g* 37 Howe st.  
Merrill, H. G., *g*, Jr. *for.*  
104 Prospect st.  
Merriman, A. M., *Priv. Sec'y.* (p. 39)  
(615 E. D.) Westville  
Merriman, G. M., Jr. *a* 252 L.  
Merriman, H. F., *g* 162 s. L.  
Merriman, T. H., So. *a* 201 D.  
Merritt, A. K., *Registrar* (p. 26)  
(135 Elm st.) 53 v.  
Merritt, A. R., So. *a* 168 F.  
Merritt, E. L., *g* 49 Carmel st.  
Mersereau, E. L., Fr. *a* 536 P.  
Mersereau, R. W., So. *a* 257 L.  
Mertz, L. W., Fr. *s* 387 Temple st.  
Merwin, M. E., Jr. *l* 67 Gregory st.  
Messer, J. R., *t* 1162 Chapel st.  
Metcalf, H. G., Jr. *a* 27 v.  
Metzger, W. G., Sr. *a* 48 v.  
Meyer, B. Q., Fr. *a* 260 Crown st.  
Meyer, C. E., *i m* 9 Library st.  
Meyer, G. C., Fr. *s* 110 Wall st.  
Meyer, H. G., Fr. *a* 27 College st.  
Meyer, W. E., *g* A.  
Mikami, K., *g* 6 Trumbull st.  
Milbank, H., So. *a* 212 D.  
Milburn, E. B., So. *a* 22 College st.  
Miles, A. D., Spec. *s* 98 York sq.  
Miles, M. C., *mus.* Milford  
Millar, W. R., Jr. *a* 293 w.  
Miller, C. C., Sr. *d* 658 w. d.  
Miller, D. H., Jr. *s* 133 Wall st.  
Miller, F. G., *g*, Sr. *for.* 74 Lake pl.  
Miller, H., *g* 223 York st.  
Miller, H. B., Jr. *s* 133 College st.  
Miller, H. C., Jr. *a* 374 WH.  
Miller, J. E., Jr. *a* 324 w.  
Miller, J. F., Jr. *l* 108 High st.  
Miller, J. M., Jr. *a* 72 s. M.  
Miller, L. C., *g*, Jr. *for.*  
94 Division st.  
Mills, A., *mus.* 56 Whalley av.  
Mills, A. J., Jr. *s* 96 Wall st.  
Mills, E. S., Fr. *a* 535 P.  
Mills, H. E., Sr. *a* 430 FW.  
Mills, S. H., Fr. *s* 126 High st.  
Mims, S. L., Jr. *a* 260 L.  
Minor, J. B., Sr. *a* 54 v.  
Minor, J. M., Jr. *s* 10 Vernon st.  
Minor, W. T., Jr. *l* 271 Orange st.  
Mitchell, C. R., *i m* New Britain  
Mitchell, J. L., Fr. *a* 238 York st.  
Mitchell, P. H., Jr. *s* 126 Wall st.  
Mitchell, W. J., Jr. *s* 191 DeWitt st.  
Mitchell, W. L., Jr. *a* 449 FW.  
Mix, G. E., Mid. *l* 233 York st.  
Mixer, W. B., Fr. *s* 110 Wall st.  
Mixer, W. G., *Prof.* (p. 19)  
(160 s. L.) 250 Edwards st.  
Moffat, D. M., Sr. *a* 333 WH.  
Mohlman, G. A., Jr. *a* 449 FW.  
Mold, H. J., Sr. *s* 27 High st.  
Monagan, W. E., Jr. *l* 120 York st.  
Monahan, F. M., Jr. *l*  
Montague, A. S., *g* 37 Howe st.  
Montgomery, G. R., *Lect.* (pp. 32,  
134, 137, 283) Bridgeport  
Montgomery, P., Grad. *l*  
221 Whitney av.  
Monzani, J. T., Fr. *a* 237 York st.  
Moodie, W. C., Sr. *a* 82 s. M.  
Moore, B., Fr. *a* 170 York st.  
Moore, C. A., Jr., Sr. *a* 9 v.  
Moore, C. E., Sr. *s* 96 Wall st.  
Moore, C. E., Jr. *a* 407 B.  
Moore, D. L., Fr. *a* 238 York st.  
Moore, E. J. S., Sr. *for.*  
35 Townsend st.  
Moore, E. S., Jr. *s* 1 Hillhouse av.  
Moore, F. W., Sr. *a* 43 v.  
Moorhead, J. A., Jr. *a* 442 FW.  
Moorhead, W. S., Fr. *a* 248 York st.  
Moran, E. E., Jr. *s* 114 High st.  
Morgan, A. K., Fr. *s* 131 High st.  
Morgan, D. H., Sr. *a* 52 v.  
Mori, J., *g* 263 Crown st.  
Moriarty, C. C., *mus.* Waterbury  
Morrill, A. F., Fr. *s* 110 Wall st.  
Morris, C. D., So. *a* 224 Oak pl.  
Morris, D. M., Fr. *s* 397 Temple st.  
Morris, E. P., *Prof.* (pp. 21, 80, 82)  
53 Edgehill road  
Morris, G. B., Sr. *s* 88 Wall st.  
Morris, R. C., *Instr.* (p. 32)  
767 Fifth av., N. Y. City  
Morrison, A. W., Fr. *a* 112 College st.  
Morrison, R. P., So. *a* 360 WH.  
Morse, C., Fr. *a* 412 B.

- Morse, J. M., Jr. *s* 204 York st.  
 Morse, R. C., Jr., Fr. *s* 55 Trumbull st.  
 Morton, S. B., *g* 1157 Chapel st.  
 Moseley, S. H., 2d., Fr. *a* New Haven House  
 Mossman, G. L., *f* 475 Orange st.  
 Mott, J. R., *Lecturer* (p. 32)  
 3 W. 29th st., N. Y. City  
 Mott, R., *g* A.  
 Motter, J. B., Sr. *a* 344 W.H.  
 Moulthrop, A. F., *mus.* 620 Orange st.  
 Moulton, F. R., Sr. *l* 1044 Chapel st.  
 Moulton, J. R., Sr. *a* 61 v.  
 Mowry, J. B., *g* 18 Court st.  
 Mulford, G. H., Jr. *a* 294 w.  
 Mullen, A. D., Sr. *a* 433 Howard av.  
 Mulligan, W. J., Mid. *l* 333 York st.  
 Mumpower, D. L., *g* 47 Lake pl.  
 Munger, T. T., *Fellow*  
 202 Prospect st.  
 Munger, T. T., So. *a* 469 FW.  
 Munro, James A., *Sup't. Carpentry*  
*Dept.* (p. 39) (88 High st.)  
 88 Lake pl.  
 Munson, C. L., *Lect.* (p. 32)  
 Williamsport, Pa.  
 Munson, E., 2d., So. *a* 325 w.  
 Munson, G. S., Jr. *a* 325 w.  
 Munson, J. G., Fr. *s* 126 Wall st.  
 Murata, T., *g*, Grad. *d* 708 w. d.  
 Murch, H. S., *Ass't.* (p. 37)  
 373 Crown st.  
 Murphy, C. C., *i m* 66 Prince st.  
 Murphy, C. H., Fr. *s* 409 Temple st.  
 Murphy, H. J., Jr. *a* 179 Blatchley av.  
 Murphy, M. A., *t* 27 Asylum st.  
 Murray, J. H., *Yale Bot. Gardens*  
 (p. 39) 227 Mansfield st.  
 Musson, M. E., *t* 102½ Park st.  
 Muzzy, H. T., Fr. *s* 391 Temple st.  
 Myers, E. B., So. *a* 674 w. d.  
 Myers, P. C., Jr., Fr. *s* 405 Temple st.  
 Myers, W. D., So. *a* 164 F.  
 Mygatt, R. F., Fr. *s* 393 Temple st.  
 Nadler, A. G., *Ass't.* (p. 37)  
 122 Olive st.  
 Naething, J. B., Jr. *s* 114 High st.  
 Nagel, H. H., Jr. *s* 363 Orchard st.  
 Nahigan, M. N., Fr. *a* 361 W.H.  
 Nash, J. F., *t* 40 Whalley av.  
 Nash, L. P., *t* Holyoke  
 Nead, R. H., Jr. *a* 266 L.  
 Neal, C. T., So. *a* 225 D.  
 Needham, R. C., Jr. *s* 119 Wall st.  
 Neergaard, A. E., Jr. *a* 256 L.  
 Neeser, R. W., Fr. *a* 561 P.  
 Nelson, H. C., Fr. *a* 231 York st.  
 Nelson, H. S., Fr. *s* 70 Houston st.  
 Nelson, I., Mid. *l* 1 College st.  
 Nesmith, R. H., Sr. *a* 458 FW.  
 Nettleton, G. H., *Instr.* (p. 32)  
 62 Trumbull st.  
 Nettleton, G. H., Spec. *s*  
 46 College st.  
 Neumann, J. E., *mus.* 103 Alden av.  
 Nevin, J. D., Spec. *s* 117 Wall st.  
 Nevin, T. H., Sr. *s* 131 Grove st.  
 Newberry, J. S., Fr. *a* 553 P.  
 Newell, F. H., *Lect.* (pp. 32, 384)  
 Washington, D. C.  
 Newhall, A. M., Sr. *a* 3 v.  
 Newmyer, T. D., Sr. *l* 208 Canner st.  
 Ney, P. S., So. *a* 310 w.  
 Nicholas, R., Sr. *s* 131 Grove st.  
 Nichols, C. W., So. *a*  
 31 Livingston st.  
 Nichols, G. E., Jr. *a* 158 F.  
 Nichols, J. K., Sr. *a* 372 W.H.  
 Nichols, W. D., Fr. *a* 293 York st.  
 Nichols, W. F., *t* 31 Livingston st.  
 Nicholson, W., *g* 514 George st.  
 Nickerson, H. L. R., So. *a* 272 L.  
 Niemeyer, J. H., *Prof.* (pp. 18, 152)  
 (8 Art School) 284 Orange st.  
 Nilsen, A., Jr. *a* 384 B.  
 Nishiike, N., *g* 373 Crown st.  
 Nixon, W. P., Jr., Sr. *a* 61 v.  
 Noble, E. J., So. *a* 279 L.  
 Noble, F. G., Spec. *s* 96 Wall st.  
 Noble, L. F., So. *a* 260 Crown st.  
 Norman, A. C., So. *a* 172 F.  
 North, C. C., Jr. *d* 605 E. D.  
 Northrop, E. C., Jr. *a* 284 w.  
 Norton, C. A., Sr. *s* 126 Wall st.  
 Norton, E. S., *f* Wallingford  
 Norton, J. P., *Instr.* (pp. 32, 149,  
 151, 290) 563 Orange st.  
 Notestein, W., *g* 1157 Chapel st.  
 Notkins, L. A., Sr. *m* 138 Minor st.  
 Noy, J., *t* 568 Chapel st.  
 Noyes, C. R., So. *a* 22 College st.  
 Noyes, D. R., So. *a* 22 College st.  
 Nuhn, F. L., So. *a* 248 L.  
 Nuhn, F. W., Jr. *l* 506 Elm st.  
 Nutting, M. B., *t* 1151 Chapel st.  
 O'Brien, A., *mus.* 101 Hill st.  
 O'Brien, F., Fr. *a* 580 P.

- O'Brien, G. H., Jr. *a* 297 w.  
 O'Brien, M. H., Jr. *a* 297 w.  
 O'Brien, T. J., Mid. *l* Meriden  
 O'Connell, J. E., 2 *m* 961 State st.  
 O'Connor, C. W., Mid. *l* 1151 Chapel st.  
*Oertel, H., Prof.* (pp. 23, 82, 88) 2 Phelps  
 Ogden, A. T., Sr. *a* 370 wH.  
 Ogden, K. C., Fr. *s* 126 Wall st.  
 Ogle, G. B., Fr. *a* 250 York st.  
 O'Keefe, T. A., Sr. *s* 817 Orange st.  
*Older, M., Ass't.* (p. 40) 17 Clark st.  
 Oldershaw, L. A., Fr. *s* 333 York st.  
 Olds, H. V., Fr. *s* 132 Wall st.  
 Oleson, D. L., So. *a* 177 F.  
 Oliver, A. K., Sr. *a* 21 v.  
 Oliver, R. B., Jr. *l* 76 s. M.  
 Oliver, S. K., Fr. *s* 387 Temple st.  
 Olmsted, A. H., Jr. *a* 75 s. M.  
 Olmsted, J., Jr. *a* 285 w.  
 O'Meara, W. J., Jr. *s* 261 W. Carlisle st.  
 Omura, S., *g* 32 Grove st.  
 Onasch, H. P., Fr. *a* 75 Day st.  
 O'Neil, C., Sr. *s* 131 Grove st.  
 O'Neill, D. L. J., Sr. *a* 96 s. M.  
 Opitz, H. M., *g* 120 York st.  
 Ord, H. J., Jr. *s* 122 Wall st.  
 O'Rourke, J. H., Mid. *l* Bridgeport  
 Orthwein, W. R., Sr. *a* 44 v.  
*Osborn, H. M., Bursar* (p. 40) (1 Phelps) 406 Orange st.  
 Osborn, R. S., Fr. *s* 34 Lynwood pl.  
*Osborne, O. T., Prof.* (p. 22) 252 York st.  
 Osborne, R. W., Fr. *a* 53 Prospect st.  
*Osgood, C. G., Jr., Tutor* (pp. 32, 107, 109) 2 University pl.  
 Ostby, E. C., Sr. *a* 46 v.  
 Ostrom, C. B. C., Jr. *a* 368 wH.  
 Overlander, J. E., Jr. *s* 60 Asylum st.  
 Overlander, R. M., *g* 373 Crown st.  
 Oviatt, L. P., *mus.* Milford  
 Owen, C. H., Jr. *l* 1233 Chapel st.  
 Owens, T. E., Jr. *d* 643 E. D.  
 Owsley, J. E., Fr. *s* 150 Grove st.  
 Oxley, J. T., Jr. *s* 277 Crown st.  
 Packer, A. D., *g* A.  
 Packer, J. B., Jr. *l* 1151 Chapel st.  
 Page, L., Jr. *s* 135 Wall st.  
 Paine, E. S., Jr. *a* 286 w.  
 Paine, H. M., Jr. *l* 1151 Chapel st.  
*Palmer, A. H., Prof.* (pp. 21, 101, 103) 251 Lawrence st.  
 Palmer, A. W., Mid. *d* 695 w. D.  
 Palmer, C., Fr. *s* 427 Temple st.  
*Palmer, C. R., Fellow* 562 Whitney av.  
 Palmer, H., So. *a* 272 L.  
 Palmer, W. H., So. *a* Branford  
 Palmerton, A. B., So. *a* 280 L.  
 Park, J. A., *g* 230 Oak pl.  
 Park, M. I., *g* 230 Oak pl.  
 Park, R., Fr. *a* 522 P.  
 Parke, I. S., Fr. *a* 250 York st.  
 Parker, A., Fr. *a* 570 P.  
 Parker, E. K., Jr., Jr. *s* 311 George st.  
*Parker, E. P., Fellow* Hartford  
*Parker, H. W., Prof.* (pp. 23, 154)  
 Parker, J. E., 1 *m* 153 Dwight st.  
 Parker, J. W., Jr., 2 *m* 178 Ferry st.  
 Parker, R. H., Sr. *s* 561 Quinnipiac av.  
 Parker, T. E., Jr., Jr. *m* 120 York st.  
 Parker, W. W. W., *g* A.  
 Parkhurst, G. G., Fr. *a* 7 College st.  
 Parks, G. E., Jr. *a* 55 v.  
 Parrish, G. F., So. *a* 303 w.  
 Parsons, C. A., *t* 196 Blatchley av.  
 Parsons, C. S., Sr. *a* 24 v.  
 Parsons, S. W., Jr. *s* 119 Wall st.  
 Partridge, J. H., So. *a* 166 York st.  
 Pasco, M. K., Jr., So. *a* 159 F.  
 Patchanian, S. K., 1 *m* 91 Charles st.  
 Patterson, A. B., *g*, Jr. *for.* 8 Prospect pl.  
 Patterson, J. T., Jr., So. *a* 414 B.  
 Patterson, R. D., Jr. *s* 82 Wall st.  
 Patterson, W. L., Sr. *a* 42 Lake pl.  
 Patton, H. J., B.C.L. *l* 1151 Chapel st.  
*Patton, W. M., Inst<sup>t</sup>.* (pp. 32, 91, 301, 303, 404, 419) (615 E. D.) Middlefield  
 Payne, O. C., Sr. *a* 381 Crown st.  
 Payton, E. S., So. *a* 364 wH.  
 Pears, J. P., So. *a* 155 Elm st.  
 Pease, M. H., So. *a* 22 College st.  
 Peck, E. D., Jr. *a* 86 s. M.  
 Peck, E. G., *t* Westville  
 Peck, J. E., *t* Westville  
*Peck, R. E., Instr.* (p. 32) 56 Howe st.  
 Peck, R. E., Mid. *l* Bridgeport  
*Peck, T., Prof.* (pp. 19, 80, 87) 124 High st.



- Peck, T. G., Jr., Fr. *a* 248 York st.  
 Peck, W. V., Jr. *s* 119 Wall st.  
 Peckham, W. H., 2d., Sr. *a* 50 v.  
 Peek, C. H., So. *a* 168 f.  
 Peirsel, E. B., Fr. *a* 7 Library st.  
 Peltz, W. L. L., Jr. *a* 256 L.  
 Pendleton, C. E., Sr. *m* 103 Park st.  
 Pendleton, F. T., Fr. *a* 363 wH.  
 Pendleton, H. M., *Priv. Sec.* (p. 40)  
 (90 High st.) 827 Whitney av.  
 Penfield, S. L., *Prof.* (pp. 21, 383)  
 (2 m.) 46 Mansfield st.  
 Perkins, C. C., Fr. *s* 293 York st.  
 Perrin, B., *Prof.* (pp. 19, 83, 138,  
 291) (130 f.) 463 Whitney av.  
 Perrin, L. J., Fr. *a* 463 Whitney av.  
 Perry, A., *g* 68 Whalley av.  
 Perry, C. C., Jr. *s* 122 Wall st.  
 Perry, E., Fr. *a* 9 Library st.  
 Perry, J. H., *Lect.* (p. 32) Southport  
 Perry, R. A., Fr. *a* 278 L.  
 Perry, W. H., Mid. *d* 683 w. D.  
 Perry, W. W., Jr. *m* 1142 Chapel st.  
 Peter, W. F., 2d., So. *a* 262 L.  
 Peters, J. G., Sr. *for.* 38 Mansfield st.  
 Peters, W. H., Fr. *a* 242 York st.  
 Peterson, C., *g* 124½ Park st.  
 Petry, H. S., Jr. *a* 414 B.  
 Pettee, L. G., *g* A.  
 Phelps, C. A., Mid. *l* 706 w. D.  
 Phelps, C. D., *Instr.* (p. 32) West Haven  
 Phelps, H. B., *Clerk Med. School*  
 (p. 40) 67 Dwight st.  
 Phelps, I. K., *Instr.* (pp. 32, 120)  
 (Kent Lab'y.) 431 FW.  
 Phelps, J. C., Fr. *a* 579 P.  
 Phelps, W. L., *Prof.* (pp. 23, 108,  
 110) (70 s. m.) 44 High st.  
 Phillips, A. W., *Prof.* (pp. 20, 114,  
 280) (90 High st.) 209 York st.  
 Phillips, E. J., So. *a* 281 Howard av.  
 Phillips, F. L., *i m* 389 Orange st.  
 Pickens, W., Jr. *a* 93 Dixwell av.  
 Pierce, B. A., Sr. *a* 46 v.  
 Pierce, F. E., Jr. *a* 130 f.  
 Pierce, J. N., Jr. *d* 646 E. D.  
 Pierpont, B. B., Jr. *s* 82 Wall st.  
 Pierpont, J., *Prof.* (pp. 23, 116)  
 42 Mansfield st.  
 Pinchot, G., *Lecturer* (pp. 32, 386)  
 Washington, D. C.  
 Pinney, C., Jr. *s* 137 College st.  
 Pirsson, L. V., *Prof.* (pp. 22, 383)  
 (9 m.) 41 Trumbull st.  
 Pitman, F. W., Jr. *s* 119 Gilbert av.  
 Pitzipio, G. O., Spec. *s* 113 Wall st.  
 Platt, E. C., Fr. *s* 400 Temple st.  
 Platt, O. W., Sr. *l* Milford  
 Plimpton, S. J., Fr. *s* 132 Wall st.  
 Plummer, A. F., *mus.* 397 Benham st.  
 Plummer, H. A., Sr. *a* 426 FW.  
 Podall, H. C., *i m* 189 Meadow st.  
 Pomeroy, H. B., Sr. *a* 462 FW.  
 Pomeroy, L. A., So. *a* 226 D.  
 Pond, E. L., Jr., Jr. *a* 130 f.  
 Porteous, J. B., Sr. *s* 96 Wall st.  
 Porter, A. K., Jr. *a* 255 L.  
 Porter, F. B., So. *a* 1076 Chapel st.  
 Porter, F. C., *Prof.* (pp. 22, 304, 408)  
 (611 E. D.) 266 Bradley st.  
 Porter, G. E., Mid. *d* 710 w. D.  
 Porter, G. F., Sr. *a* 33 v.  
 Porter, J., *mus.* 77 Whitney av.  
 Porter, M. B., *Ass't. Prof.* (pp. 26,  
 114, 117) 77 Whitney av.  
 Porter, S., So. *a* 22 College st.  
 Posner, A., Fr. *s* 110 Wall st.  
 Posner, D., Fr. *s* 110 Wall st.  
 Potter, C. J., Mid. *d* 711 w. D.  
 Potter, H., Sr. *a* 57 v.  
 Potter, R. C., *i m* 84 Carmel st.  
 Powning, W. G., Jr. *a* 236 D.  
 Pratt, C. F., Sr. *a* 138 f.  
 Pratt, C. R., 2 *m* 114 Dwight st.  
 Pratt, E. I., *t* 114 Dwight st.  
 Pratt, N. T., Sr. *m* Bridgeport  
 Pratt, W. B., Fr. *a* 250 York st.  
 Pray, F. L., *s for.* A.  
 Prentice, B. H., So. *a* 22 College st.  
 Prentice, S. O., *Prof.* (p. 20) Hartford  
 Preston, J. C., Jr. *s* 119 Wall st.  
 Price, C. W., Fr. *a* 229 D.  
 Price, E. H., *g, Grad. d* 680 w. D.  
 Price, O. C., Spec. *l* 1151 Chapel st.  
 Price, V. D., Jr., Fr. *a* 557 P.  
 Price, W. E., Fr. *a* 226 York st.  
 Prigmore, J. D., Mid. *d* 631 E. D.  
 Prime, A. C., Jr. *s* 82 Wall st.  
 Prindle, H., Sr. *s* 122 Wall st.  
 Prior, E. H., Sr. *s* 126 Wall st.  
 Pritchard, W. S., *Proctor* (p. 40)  
 549 P.  
 Procter, R., Sr. *s* 17 Hillhouse av.

- Proper, M., *f* 277 Crown st.  
 Provost, A. G., 2 *m* 347 Orchard st.  
 Pruden, R. G., Fr. *a* 159 Elm st.  
 Pulman, O. S., Jr., *Ass't.* (p. 37)  
 Kent Lab'y.  
 Purinton, F. H., Jr. *l* 105 Park st.  
 Putnam, E. H., Jr. *s* 133 College st.  
 Putnam, J. F., Sr. *a* 1 v.  
 Putnam, J. O., 2d., Sr. *a* 15 v.  
 Putney, A. H., *g* A.  
 Quinby, C. N., Fr. *a* 377 WH.  
 Quittmeyer, E. M., *g* 651 E. D.  
 Rae, I. N. W., Jr. *s* 111 Grove st.  
 Rafferty, C. D., Jr. *s* 131 Grove st.  
 Rall, E. E., *g* 224 Oak pl.  
 Ralph, E. A., Sr. *a* 693 W. D.  
 Ramsay, O. G., *Prof.* (p. 24)  
 251 Church st.  
 Randall, D. L., Jr. *a* 81 S. M.  
 Randolph, A. B., Fr. *a* 242 York st.  
 Randolph, H., *s for.* A.  
 Randolph, W. F. F., Jr. *a* 103 Park st.  
 Rankin, H., Sr. *a* 428 FW.  
 Rathborne, J. C., Fr. *s* 150 Grove st.  
 Rathbun, W. L., Sr. *m* 333 Cedar st.  
 Rathvon, H. M., Fr. *s* 391 Temple st.  
 Ray, J. A., *g* A.  
 Raymond, H. A., So. *a* 22 College st.  
 Raymond, P. E., *g* 73 Lake pl.  
 Raynolds, E. V., *Prof.* (pp. 22, 145,  
 289) 158 Whitney av.  
 Rea, J. D., Sr. *a* 44 Clark st.  
 Read, H. H., Jr. *l* 43 College st.  
 Read, R. W., Jr. *s* 82 Wall st.  
 Rebmann, J., *g, Jr. for.*  
 313 Winchester av.  
 Recknagel, A. B., Jr. *a* 232 D.  
 Redington, P. G., *g, Jr. for.*  
 8 Prospect pl.  
 Redshaw, C. J., Jr. *s* 124 Wall st.  
 Reed, E. B., *Ass't. Prof.* (pp. 26,  
 107, 109, 112) 351 WH.  
 Reed, L. P., Jr. *a* 335 WH.  
 Rees, J. E., Sr. *d* 627 E. D.  
 Reeves, W. H., Jr., Jr. *s*  
 1 Hillhouse av.  
 Reid, A. M., So. *a* 22 College st.  
 Reid, J. W., Fr. *s* 119 Grove st.  
 Reid, O. M., So. *a* 323 W.  
 Reider, C., Sr. *l* 333 York st.  
 Reilly, F. H., *Ass't.* (p. 37)  
 312 Columbus av.  
 Reilly, J. J., Sr. *a* 215 D.  
 Renick, A. M., Fr. *a* 1076 Chapel st.
- Rennell, H. H., Fr. *s* 110 Wall st.  
 Rettger, L. F., *Instr.* (p. 32)  
 (12 S. H.) 135 Howe st.  
 Reyburn, W. S., Jr. *s* 133 College st.  
 Reynolds, A. E., *t* West Haven  
 Reynolds, H. M., *Prof.* (pp. 22, 83)  
 38 v.  
 Reynolds, H. W., Jr. *a* 352 WH.  
 Reynolds, J. W., Sr. *a* 43 v.  
 Reynolds, L. G., Fr. *a* 248 York st.  
 Reynolds, P. B., Jr. *a* 277 L.  
 Rhoads, S. W., Sr. *a* 334 WH.  
 Rhodes, J. F., Sr. *a* 64 v.  
 Rice, C. B., *Instr.* (p. 32) 56 N. S. H.  
 Rice, H. I. B., Jr. *a* 341 WH.  
 Rice, J. M., Jr. *a* 288 W.  
 Rice, J. P., *g* 707 W. D.  
 Rice, M. W., Sr. *s* 117 Wall st.  
 Rich, R. J., Fr. *a* 1193 Chapel st.  
 Richards, C. B., *Prof.* (pp. 18, 115,  
 117) (111 WINCH.) 227 Edwards st.  
 Richards, E. L., *Prof.* (p. 18) A.  
 Richards, G. H., Sr. *a* 436 FW.  
 Richardson, E., Fr. *s* 110 Wall st.  
 Richardson, G., So. *a* 218 D.  
 Richardson, O. H., *Ass't. Prof.* (pp.  
 26, 140, 142, 294) 284 Orange st.  
 Richardson, R. G. D., Sr. *a*  
 166 York st.  
 Richmond, F. H., Fr. *a*  
 1076 Chapel st.  
 Richmond, L. M., Sr. *s* 111 Grove st.  
 Rickcords, F. S., So. *a* 155 Elm st.  
 Ridgway, C. S., Jr., Fr. *a* 578 P.  
 Riggs, M. B., Fr. *a* 590 P.  
 Riggs, N. J., *t* 252 Orchard st.  
 Rightmire, H. A., Sr. *a, 1 m* 215 D.  
 Riley, J. M., Jr. *a* A.  
 Riley, N. S., Jr. *a* 10 v.  
 Rinke, A. W., Fr. *a* 238 York st.  
 Ripley, A. L., *Fellow* Boston, Mass.  
 Ripley, T. E., *Lect.* (p. 375)  
 Boston, Mass.  
 Risteen, A. D., *g* Hartford  
 Rivkin, D. S., Jr. *l* 269 Portsea st.  
 Roach, S. G., So. *a* 301 W.  
 Robbins, A. M., Sr. *s* 114 High st.  
 Robbins, E. D., *Prof.* (p. 21)  
 Hartford  
 Robbins, F. O., *Instr.* (p. 32)  
 341 Winthrop av.  
 Roberts, E. E. P., Jr. *s* 110 Greene st.  
 Roberts, G., Jr., Sr. *a* 446 FW.  
 Roberts, G., So. *a* 22 College st.



- Roberts, Graham, Fr. s 110 Wall st.  
 Roberts, H. M., Fr. s 128 High st.  
 Roberts, J. T., So. a 22 College st.  
 Robertson, F. C., Fr. a 250 York st.  
 Robertson, H. R., Jr. a 145 F.  
 Robertson, J. N., g 124½ Park st.  
 Robertson, W. S., g 23 Lynwood pl.  
 Robinson, C., g 68 Trumbull st.  
 Robinson, H. H., Instr. (pp. 33, 123) 333 York st.  
 Robinson, J. R., Sr. a 62 v.  
 Robinson, M. W., Jr. l 108 High st.  
 Robinson, W. C., Spec. l Middletown  
 Robinson, W. G., Fr. a 311 York st.  
 Rockafellow, C. C., Fr. s 425 Temple st.  
 Rockwell, F. H., Fr. a 214 D.  
 Rockwell, J., Jr. a 454 FW.  
 Rockwell, S. E., Jr. s 119 High st.  
 Rodd, W. H., Spec. s 119 Wall st.  
 Roderick, R., Spec. s 128 Wall st.  
 Roeder, C. A., i m 237 York st.  
 Roesler, Max, Fr. s 293 York st.  
 Rogers, C., Sr. a 350 WH.  
 Rogers, E. P., So. a 22 College st.  
 Rogers, H. A., Jr. s 111 Grove st.  
 Rogers, H. W., Prof. (pp. 21, 146) 413 Orange st.  
 Rogers, J. F., 2 m 78 Lake pl.  
 Rogers, J. G., So. a 274 L.  
 Rogers, J. T., Fr. s 333 York st.  
 Rogers, L. H., Jr., Sr. a A.  
 Rogers, P., Jr., Fr. a 248 York st.  
 Rogers, R. L., Fr. a 600 P.  
 Rohrmayer, F. P., Spec. l Hartford  
 Ronayne, F. J., Jr. m 1142 Chapel st.  
 Root, R. K., Tutor (pp. 33, 107) 26 Edgewood av.  
 Root, V. H., Mid. l Bridgeport  
 Root, W. W., Fr. s 96 Wall st.  
 Roraback, A. E., Jr. d 698 w. d.  
 Roraback, J. C., Sr. a 465 FW.  
 Rosen, B. J., i m 52 Lafayette st.  
 Rosenberg, J. H., Sr. s 363 Orchard st.  
 Rosenbluth, L. M., Mid. l 111 Dwight st.  
 Rosenthal, A. J., Sr. a 319 w.  
 Ross, L. H., Grad. m 333 York st.  
 Roswell, E. S., g Milford  
 Roundy, R. W., Mid. d 703 w. d.  
 Rowe, S. H., Lect. (pp. 33, 133, 278) 285 Willow st.  
 Rowell, C. F., Sr. a 367 WH.  
 Rowland, H. L., Jr. s 114 High st.  
 Rowland, R. S., Fr. a 254 York st.  
 Rowland, W. E., Cashier (p. 40) (wood.) 227 Sherman av.  
 Rowley, R. L., Sr. m 326 George st.  
 Ruff, J. S., Fr. s 111 Greene st.  
 Rundel, W. F., Jr. a 270 L.  
 Rungee, W. C., Sr. l 5½ Redfield st.  
 Rupp, N. N., Jr. a 322 w.  
 Russ, C. C., Jr. l 265 Lawrence st.  
 Russell, H. F., Fr. a 231 York st.  
 Russell, T. H., Prof. (p. 20) 137 Elm st.  
 Ryan, F. B., Jr. s 96 Wall st.  
 Ryder, F. L., i m 78 Center st.  
 Safford, J. H., Jr. a 382 WH.  
 St. Clare, C. C., Sr. d 655 w. d.  
 St. John, S. B., Lect. (p. 33) Hartford  
 Saito, T., Grad. l 222 Lawrence st.  
 Sanborn, H. N., g 217 York st.  
 Sanders, C. C., Sr. s 111 Grove st.  
 Sanders, F. K., Prof. and Dean (pp. 22, 90) (615 E. D.) 235 Lawrence st.  
 Sanderson, R. L., Ass't. Prof. (pp. 26, 95) 3 Huntington st.  
 Sandiford, A., Jr. a 232 D.  
 Sands, M. B., Fr. a 200 York st.  
 Sands, R., Jr., a 60 v.  
 Sanford, C. E., 2 m 928 Grand av.  
 Sanford, C. H., Fr. s 233 York st.  
 Sanford, H., Jr. a 342 WH.  
 Sanford, H. E., Sr. s 30 Dwight st.  
 Sanford, L. C., Ass't. (p. 37) 216 Crown st.  
 Sanford, R. G., So. a 233 York st.  
 Sanford, S., t 216 Crown st.  
 Sanford, S. S., Prof. (pp. 20, 155) A.  
 Sarason, S. D., Fr. s 252 Cedar st.  
 Sargent, C. E., g 20 Eld st.  
 Sargent, G. P. T., Fr. a 263 L.  
 Sargent, H. B., Fellow 247 Church st.  
 Sargent, M., Fr. a 250 Crown st.  
 Sargent, Z., Sr. a 446 FW.  
 Sarle, C. J., g 545 Howard av.  
 Sattig, G. R., Sr. l 828 Chapel st.  
 Savage, J. A., Spec. s 124 Wall st.  
 Savage, P. A., Sr. l 64 Lake pl.  
 Savarese, M. F. R., i m 545 Howard av.  
 Sawin, J. F., Jr. a 333 York st.  
 Sawyer, A. E., Jr. s 420 Temple st.  
 Sawyer, G. P., Lect. (p. 375) 1104 Ellicott sq., Buffalo, N. Y.

- Sawyer, H. M., Sr. *a* 85 s. m.  
 Sayre, L. A., Sr. *a* 49 v.  
 Scanlan, J. J., Jr. *l* 184 Mansfield st.  
 Scarborough, C. C., Fr. *a* 521 P.  
 Schaeffer, J. M., Fr. *s* 18 Asylum st.  
 Scharton, A. R., Jr. *l* 76 s. m.  
 Schenck, D. S., Fr. *s* 110 Wall st.  
 Schenck, L. R., So. *a* 63 v.  
 Schenck, R. P., Jr. *a* 304 w.  
 Schencker, H. R., So. *a* 206 D.  
 Schermerhorn, A. M., Fr. *a* 37 Lynwood pl.  
 Schermerhorn, H. H., Jr. *a* 103 Park st.  
 Scheuerle, J. A., Jr. *d* 637 E. D.  
 Schley, E. B., Jr. *s* 111 Grove st.  
 Schley, R., Sr. *a* 65 v.  
 Schrenck, H. von, *Lect.* (pp. 33, 383) St. Louis, Mo.  
 Schultz, C. M., Jr. *s* 118 College st.  
 Schwab, J. C., *Prof.* (pp. 23, 146, 150, 286) 310 Prospect st.  
 Schweizer, R., Jr., Fr. *s* 68 Mechanic st.  
 Schwill, R., *Instr.* (pp. 33, 98, 113) 90 s. m.  
 Scofield, I. F., *i m* 44 Second st.  
 Scoppa, L., Sr. *l* 150 Wallace st.  
 Scott, A. R., Fr. *s* 131 High st.  
 Scott, B., So. *a* 383 B.  
 Scott, D. J., Fr. *s* 135 Wall st.  
 Scott, E. W., Mid. *d* 612 w. D.  
 Scott, H. N., Fr. *s* 421 Temple st.  
 Scovill, L. R., Fr. *a* Box 850, Yale P. O.  
 Scoville, S., *g* A.  
 Scranton, J. I., *t* 114 Lawrence st.  
 Scranton, L. M., *t* 114 Lawrence st.  
 Scribner, B. P., *f* Bridgeport  
 Scribner, C. H., Fr. *s* 407 Temple st.  
 Scripture, E. W., *Ass't. Prof.* (pp. 26, 130, 133, 136, 272) (Herrick Hall) Yale Station  
 Scudder, P. J., Fr. *a* 593 P.  
 Seagrave, W. H., Jr. *s* 126 Wall st.  
 Searle, A. T., *g*, Jr. *for.* 159 Blake st.  
 Searles, W. S., Sr. *a* 467 FW.  
 Sears, F., *mus.* 42 High st.  
 Sears, J. A., Fr. *s* 110 Wall st.  
 Sears, J. H., Mid. *l* 333 York st.  
 Seaver, J. W., *Assoc. Director* (pp. 26, 156) (GYMN.) 25 Lynwood pl.  
 Secor, W. J., Fr. *s* Derby  
 Sedley, P. G., Fr. *a* 231 York st.  
 Seeley, E. B., So. *a* 206 D.  
 Selden, H. C., Jr. *s* 82 Whalley av.  
 Sellards, E. H., *g* 22 Whalley av.  
 Selling, L., Jr. *a* 406 B.  
 Selz, A. K., Sr. *s* 104 Wall st.  
 Selzer, F. I., Mid. *d* 640 E. D.  
 Seronde, J., So. *a* 144 F.  
 Seshimo, G., *g* 6 Trumbull st.  
 Setchell, J., Fr. *s* 218 English st.  
 Seward, E. C., Jr., Fr. *a* 526 P.  
 Seymour, T. D., *Prof.* (pp. 20, 83) 22 Phelps  
 Shaffrath, P., Jr. *a* 158 F.  
 Shand, K. R., Jr. *a* 327 w.  
 Shanley, E. J., Jr. *s* 249 Hamilton st.  
 Shapiro, C. H., Sr. *l* 288 Grand av.  
 Sharretts, E. P., So. *a* 260 Crown st.  
 Shaw, C., Jr. *a* 75 s. m.  
 Shaw, M. R., Jr., Fr. *s* 78 Lake pl.  
 Shea, F. L., Fr. *s* 17 Irving st.  
 Sheehan, P., Fr. *a* 7 Library st.  
 Sheehan, P. J., Jr. *a* 365 w H.  
 Sheehan, W. J., *Ass't.* (p. 37) 383 Howard av.  
 Sheets, H. F., Sr. *a* 202 D.  
 Sheffer, M. L., So. *a* 164 F.  
 Sheldon, H. T., Fr. *a* 22 College st.  
 Sheldon, L. B., Fr. *s* 1 Hillhouse av.  
 Sheldon, R. E., Jr., Spec. *s* 137 College st.  
 Shelton, H. W., Jr. *a* 448 FW.  
 Shelton, W. B., Fr. *a* 162 F.  
 Shepard, H., Jr. *s* 118 College st.  
 Shepard, W. K., *Instr.* (p. 33) 57 N. S. H.  
 Shepherd, G. R., *Lect.* (p. 33) Hartford  
 Sherrill, F. G., Fr. *a* 586 P.  
 Sherwood, E. A., Fr. *a* 531 P.  
 Shevlin, T. L., Fr. *a* 250 York st.  
 Shibata, I., *g* 44 High st.  
 Shields, J. A., *i m* 120 York st.  
 Shields, T. M., Jr. *a* 166 F.  
 Shinn, F. L., *g* 47 Lake pl.  
 Shipman, N., *Lect.* (p. 33) Hartford  
 Shively, J. L., Mid. *d* 642 E. D.  
 Shoemaker, H. M., So. *a* 22 College st.  
 Shoemaker, W. P., Fr. *a* 538 P.  
 Shook, A. M., Fr. *s* 395 Temple st.  
 Sicher, D. F., Jr. *a* 254 L.  
 Sidenberg, J. W., Jr. *a* 1076 Chapel st.

- Siebke, M., *mus.* 8 Warren st.  
 Sikes, F. V., *f* 265 L.  
 Siki, K., *g* 6 Trumbull st.  
 Silleck, W. M., Fr. *s* 124 Wall st.  
 Simmons, J. I., Fr. *s* 119 Grove st.  
 Simpson, R. E., So. *a* 281 L.  
 Simpson, W. K., Fr. *s* 797 Orange st.  
 Sincerbeaux, C. M., So. *a* 247 L.  
 Sipe, S. B., *s for.* A.  
 Skeel, A. A., Jr. *s* 128 Wall st.  
 Skemp, R. S., Jr. *s* 333 York st.  
 Skidmore, P. H., Fr. *s* 419 Temple st.  
 Skrabble, J. M., Sr. *a* 79 s. M.  
 Slade, D. H., Mid. *l* 1161 Chapel st.  
 Slade, J. C., So. *a* 247 L.  
 Slade, W. S., Jr. *a* 320 w.  
 Slaght, W. E. A., *g, Grad. d* Westbrook  
 Sledd, A., *g* 78 Lake pl.  
 Sloan, T. G., *Instr.* (p. 33) 42 College st.  
 Sloane, E. P., Fr. *a* 60 Whalley av.  
 Sloane, J., Jr., So. *a* 22 College st.  
 Smallman, T. F., 2 *m* 129 Howard av.  
 Smillie, J. C., So. *a* 211 D.  
 Smirnow, M., 1 *m* 122 Congress av.  
 Smith, B., *Instr.* (p. 33) 1136 Chapel st.  
 Smith, B. D., Fr. *a* 250 York st.  
 Smith, B. E., Jr. *a* 298 w.  
 Smith, B. M., Sr. *a* 437 FW.  
 Smith, C. B., So. *a* 22 College st.  
 Smith, C. E., *g* 577 Elm st.  
 Smith, C. E., Jr., Jr. *a* 246 L.  
 Smith, C. G., *g, Jr. for.* 182 Mansfield st.  
 Smith, C. H., *Prof.* (pp. 19, 142, 296) (243 L.) 284 Orange st.  
 Smith, C. H., Fr. *s* 419 Temple st.  
 Smith, E. M., Jr. *s* 133 College st.  
 Smith, E. W., *g* A.  
 Smith, G. A., Sr. *a* 96 s. M.  
 Smith, H. E., *Prof. and Dean* (p. 21) (25 Med. School) 430 George st.  
 Smith, H. F., Sr. *d* 648 George st.  
 Smith, J. B., *Ass't.* (p. 37) (149 Orange st.) 9 College st.  
 Smith, J. S., *Librarian* (p. 18) 257 St. Ronan st.  
 Smith, J. V., Jr. *m* 66 Putnam st.  
 Smith, K., *g* A.  
 Smith, K. F., *t* 339 George st.  
 Smith, L., Jr. *a* 294 w.  
 Smith, M. H., *t* West Haven  
 Smith, M. K., Sr. *s* 125 High st.  
 Smith, P. C., Jr., Fr. *a* 248 York st.  
 Smith, P. F., *Prof.* (p. 23) (21 s. H.) 78 Pearl st.  
 Smith, R. A. L., *mus.* 46 Chestnut st.  
 Smith, R. F., Jr. *g* 47 Lake pl.  
 Smith, R. J., *g, Grad. d* 122 Derby av.  
 Smith, R. P., Jr. *l* 342 George st.  
 Smith, R. S., Sr. *a* 465 FW.  
 Smith, S. I., *Prof.* (pp. 19, 125) (78 B. L.) 147 Whalley av.  
 Smith, S. M., So. *a* 234 D.  
 Smith, W. B. W., Sr. *a* 372 WH.  
 Smith, W. F., Jr. *a* 253 L.  
 Smith, W. M., *Lect.* (p. 33) N. Y. City  
 Smitley, R. L., Jr. *a* 340 WH.  
 Smoke, S. A., *Prof.* (p. 23) (40 N. S. H.) 1151 Chapel st.  
 Smoot, S. E. M., *g* 1233 Chapel st.  
 Smyth, N., *Fellow* 328 Temple st.  
 Sneath, E. H., *Prof.* (pp. 22, 129, 130, 132, 136, 274, 282) 285 Whitney av.  
 Snell, C. H., Jr. *a* 290 w.  
 Snider, W. T., So. *a* 364 George st.  
 Snow, H. B., Mid. *l* 222 Crown st.  
 Snowdon, G. H., Fr. *s* 397 Temple st.  
 Snyder, I. T., Fr. *s* 110 Wall st.  
 Sokoloff, N., *mus.* 78 Washington av.  
 Somers, C. W., Fr. *a* 161 F.  
 Somers, L. H., Sr. *a* 355 WH.  
 SooySmith, H., Fr. *a* 22 College st.  
 Soper, W. B., Jr. *a* 310 w.  
 Spaenkuch, A., *f* 170 Commerce st.  
 Spalding, E. B., Sr. *s* 17 Hillhouse av.  
 Spalding, E. E., So. *a* 22 College st.  
 Spalding, W. A., *Demonstrator* (p. 33) 9 High st.  
 Sparklin, J. L., *g* Stepney Depot  
 Spaulding, E. G., Fr. *s* 122 Wall st.  
 Spaulding, H. B., So. *a* 22 College st.  
 Spearman, H. K., Sr. *d* 602 E. D.  
 Speer, R. E., *Lect.* (p. 33) N. Y. City  
 Spencer, A. L., So. *a* 232 D.  
 Spencer, G. P., Sr. *s* 133 College st.  
 Spencer, G. S., So. *a* A.  
 Spencer, J. H., Fr. *s* 126 Wall st.  
 Spencer, W. B., Jr. *a* 338 WH.  
 Sperow, E. H., Mid. *d* 644 E. D.

- Sperry, F. N., Demonstrator*  
(p. 33) 76 Wooster st.
- Spicer, E., 2 m 565 Howard av.
- Spier, S. L., Jr. m 348 Crown st.
- Spinney, C. B., So. a 141 F.
- Sprague, W. B., Fr. a 237 York st.
- Sprenger, W., Instr.* (p. 33)  
366 George st.
- Spring, S. N., Sr. for.  
46 Edgewood av.
- Squier, F., Jr., So. a 260 Crown st.
- Squire, R. A., Jr. a 380 W.H.
- Squire, R. R., Fr. a 216 Orchard st.
- Squire, W. L., Fr. a 271 L.
- Staaf, O. E., g 88 Prospect st.
- Standish, F. B., Sr. m 78 Dwight st.
- Stanford, E. J., Sr. l 45 Clark st.
- Stanley, F. C., g Bridgeport
- Stanley, M. L., mus. Waterbury
- Stannard, E. T., Fr. s 130 Wall st.
- Stansfield, G. E., Jr. a 293 York st.
- Starbuck, C. W., Jr. l  
565 Howard av.
- Statiropoulos, J. G., g  
153 Franklin st.
- Stauffer, F. R., Sr. a 17 v.
- Steadman, W. G., 2 m 1081 Chapel st.
- Stearns, T. C., Instr.* (pp. 33, 281)  
Westport
- Stebbins, E. A., Sup't.* (p. 40)  
1 Dwight Hall
- Stebbins, H. H., Jr., Jr. a 335 W.H.
- Steele, A. F. S., Jr. a 416 B.
- Steele, H. M., g 226 Church st.
- Steele, W. M., Sr. a 83 s. m.
- Stephens, R. E., Sr. s 126 High st.
- Stephenson, J. C., Fr. s 110 Wall st.
- Stern, H. R., Sr. a 22 v.
- Sternberg, C., Jr. l 48 Prince st.
- Sterrett, D. B., g 39 Lynwood pl.
- Sterrett, W. D., Sr. for.  
39 Lynwood pl.
- Stetson, G. T., Fr. a 574 P.
- Stevens, C. H., Fr. a 23 Asylum st.
- Stevens, G. B., Prof.* (pp. 21, 135,  
278, 412)  
(609 E. D.) 388 Whitney av.
- Stevens, H. G., Sr. for. 90 Wall st.
- Stevens, J. H., Sr. a 453 F.W.
- Stevens, W. O., g 139 Dwight st.
- Stevenson, D. M., Fr. s  
395 Temple st.
- Stevenson, J. A., Fr. a 217 York st.
- Stevenson, J. M., Jr., Sr. a 425 F.W.
- Stevenson, L. T., Fr. s 405 Temple st.
- Stewart, P. P., Sr. s 59 Dixwell av.
- Stewart, R. G. C., 1 m 237 York st.
- Stillman, E. A., Sr. s 137 College st.
- Stillman, R. G., Sr. a 5 v.
- Stillman, W. N., So. a 22 College st.
- Stimson, J. F., Fr. a 590 P.
- Stockbridge, H. E., s for. A.
- Stocking, J. T., Res. Lic. d  
Berlin, Germany
- Stoddard, E. V., Jr., So. a  
22 College st.
- Stoeckel, G. J., Prof.* (p. 17) Norfolk
- Stokes, A. P., Jr., Secretary* (p. 24)  
(wood.) 73 Elm st.
- Stoll, C. H., Jr., Sr. a 1 v.
- Stone, F. L., Fr. s 55 Clark st.
- Story, N. H., t 8 Pine st.
- Strahan, R. H., Mid. l 333 York st.
- Strayer, C. B., Res. Lic. d  
Greens Farms
- Strayer, P. M., g, Sr. d S. Norwalk
- Stringer, E. S., So. a 220 D.
- Strohm, F. H., Mid. l 110 Wall st.
- Stromquist, K. E., g 59 Prospect st.
- Strong, C. C., 2d., Fr. a 248 York st.
- Strong, E. H., Sr. s 17 Hillhouse av.
- Strong, J. P., Accountant* (p. 40)  
(wood.) 222 Sherman av.
- Strong, T. R., Sr. a 7 v.
- Strouse, L. H., Sr. l 143 St. John st.
- Struby, G. B., Fr. a 250 York st.
- Stuart, W. R., Sr. a 202 D.
- Stubbs, S. G., Jr. s 1 Hillhouse av.
- Studley, W. L., Spec. s  
17 Hillhouse av.
- Studwell, G. S., Jr., Jr. a 63 v.
- Sturges, G., Fr. a 250 York st.
- Sturgis, T., Jr., Sr. a 7 v.
- Stursberg, A. H., Sr. s 111 Grove st.
- Sullivan, J. B., Sr. a, 1 m  
245 Washington av.
- Sullivan, J. M., Grad. l 37 Bradley st.
- Sullivan, R., So. a 222 D.
- Sullivan, W., Sr. a 56 v.
- Sulzberger, J., Mid. l 117 Wall st.
- Sumner, W. G., Prof.* (pp. 19, 149,  
151, 285) 240 Edwards st.
- Sutphin, S. B., Sr. a 54 v.
- Sverdrup, G., g 222 Crown st.
- Swain, H. L., Prof.* (p. 23)  
232 York st.
- Swain, R. E., g A.
- Sweeny, H. P., So. a 415 B.

- Sweet, J. E., Sr. *s* 114 Wall st.  
 Sweet, P. B., Sr. *a* 391 B.  
 Sweet, S. E., So. *a* 155 Elm st.  
 Swenarton, H. A., Fr. *s* 128 High st.  
 Swenson, E. A., Fr. *s* 395 Temple st.  
 Swift, C. R., Jr., *g* 717 W. D.  
 Swift, L., So. *a* 201 D.  
 Swords, H. H., Fr. *a* 250 York st.  
 Sykes, G. E., Sr. *a* 334 WH.  
 Symes, G. G., Fr. *s* 391 Temple st.  
 Syphax, F. B., Fr. *a* 364 WH.  
 Tabb, A. B., Sr. *l* 58 Whitney av.  
 Taft, A. I., So. *a* 177 F.  
 Taft, H., Fr. *a* 22 College st.  
 Takarayama, Y., *g* 103 Park st.  
 Talbot, M., *g*  
 Talcott, C. D., Jr. *l* 37 College st.  
 Talcott, M. G., *g* 264 L.  
 Tallman, W. S., Jr. *s* 135 College st.  
 Tarr, L. M., Lect. (pp. 34, 122)  
 156 Whalley av.  
 Taylor, E. G., Instr. (pp. 34, 279)  
 (15 WH.) 226 Lawrence st.  
 Taylor, E. H., Jr. *a* 253 L.  
 Taylor, E. L., Ass't. (p. 37) 264 L.  
 Taylor, F. B., Fr. *s* 130 Wall st.  
 Taylor, H. C., Sr. *a* 389 B.  
 Taylor, J. H., So. *a* 260 Crown st.  
 Taylor, W. H., Sr. *a* 23 v.  
 Taylor, W. J., Lect. (pp. 34, 279)  
 67 Howe st.  
 Taylor, W. W., *g* A.  
 Telleen, J. M., *g* 31½ Broadway  
 Tennant, G. B., *g* A.  
 Tenney, J. F., *mus.* Branford  
 Terriberry, W. K., Sr. *a* 5 v.  
 Terrill, A. T., *g* 70 Howe st.  
 Terrill, M. B., Sr. *a* 70 Howe st.  
 Terry, A. H., Jr., Fr. *a* 596 P.  
 Terry, L. B., *mus.* 462 Second av.  
 Tetrault, C. A., I *m* 261 Howard av.  
 Textor, L. E., *g* 144 Greene st.  
 Thacher, A. B., So. *a* 201 D.  
 Thacher, H. C., *g* 652 E. D.  
 Thacher, M. D., Jr., Fr. *a*  
 250 York st.  
 Thacher, R. H., Sr. *a* 13 v.  
 Thacher, S. E., Accountant (p. 40)  
 38 Chestnut st.  
 Thacher, S. P., Fr. *s* 130 Wall st.  
 Thacher, T., Lect. (p. 34)  
 21 W. 51st st., N. Y. City  
 Thacher, T. D., Jr. *a* 8 v.  
 Theall, H. L., Mid. *l* 139 York st.  
 Thom, A. P., Jr., Fr. *a* 556 P.  
 Thomas, A. C., Fr. *a* 1076 Chapel st.  
 Thomas, D. E., Jr. *d* 605 E. D.  
 Thomas, E. B., Sr. *s* 137 College st.  
 Thomas, J. B., Jr., Sr. *a* 429 FW.  
 Thomas, J. D., Fr. *s* 423 Temple st.  
 Thomas, J. H., Jr. *s* 311 York st.  
 Thomas, R. H., Fr. *a* 22 College st.  
 Thomas, R. P., Fr. *s* 46 Elm st.  
 Thompson, A. T., Sr. *d* 645 E. D.  
 Thompson, B., *t* 501 Elm st.  
 Thompson, C. S., *g* 89 S. M.  
 Thompson, D., Sr. *a* 57 v.  
 Thompson, D. P., Sr. *s* 131 Grove st.  
 Thompson, E. B., Jr. *s* 111 Grove st.  
 Thompson, E. N. S., *g*  
 95 Whalley av.  
 Thompson, E. V., Sr. *a* 16 v.  
 Thompson, G. A., Ass't. (p. 37)  
 79 Clinton av.  
 Thompson, G. L., Fr. *a*  
 22 College st.  
 Thompson, J. L., Jr. *s* 277 Crown st.  
 Thompson, L. O., I *m*  
 561 Howard av.  
 Thompson, L. W., Jr. *s* West Haven  
 Thompson, N. D. Jr., Sr. *s*  
 17 Hillhouse av.  
 Thompson, N. F., Jr., Fr. *a* 568 P.  
 Thompson, O. L., Fr. *a* 89 Park st.  
 Thomson, C. C., Fr. *a* 521 P.  
 Thomson, G. J., Sr. *a* 466 FW.  
 Thomson, H. W., So. *a* 241 L.  
 Thomson, J. J., Lect. (p. 34)  
 Cambridge, Eng.  
 Thorne, N. C., Ass't. (p. 37)  
 131 Dwight st.  
 Thorstenberg, E., Instr. (p. 34)  
 47 N. S. H.  
 Thorstenberg, H. J., Sr. *a*  
 53 Prospect st.  
 Thurber, E. A., Instr. (pp. 34, 106)  
 (15 WH.) 35 Beers st.  
 Tiemann, H. D., Sr. *for.*  
 35 Townsend st.  
 Tiernan, B., Jr. *m* 487 Columbus av.  
 Tileston, C. T., Fr. *a* 276 Prospect st.  
 Tillitt, M. H., Mid. *l* 597 P.  
 Tillotson, E. W., Fr. *a* 250 L.  
 Tillson, B. F., Fr. *s* 419 Temple st.  
 Tillson, G. R., Sr. *a* 450 FW.  
 Tilney, R. F., 2d, So. *a* 22 College st.  
 Tilson, J. Q., Proctor (p. 40) 463 FW.  
 Timm, J. A., *g*, Grad. *d* 106 York sq.

- Tobin, A. S., *t* Naugatuck  
 Tocher, C. E., Jr. *s* 692 w. d.  
 Todd, L. E., Fr. *a* 78 s. m.  
 Tolles, B. I., Jr. *m* 364 Orchard st.  
 Tolson, G. T., g, Grad. *d* 632 E. d.  
 Tomlinson, B. H., *f* Milford  
 Tooker, L. H., Fr. *a* 588 p.  
 Toole, J. A., Fr. *a* 1076 Chapel st.  
 Torbert, G. L., *mus.* 462 Elm st.  
 Torrance, D., Prof. (p. 19) Derby  
 Torrey, C. C., Prof. (pp. 23, 92, 301, 419, 422) 67 Mansfield st.  
 Toumey, J. W., Ass't. Prof. (pp. 26, 387) (Marsh Hall) 459 Prospect st.  
 Toumey, C. H. B., *s for.* A. 459 Prospect st.  
 Towle, S., Jr., Fr. *s* 393 Temple st.  
 Townsend, E. P., Sr. *a* 37 v.  
 Townsend, H., Jr. *s* 17 Hillhouse av.  
 Townsend, H. B., So. *a* 686 w. d.  
 Townsend, J. M., Lect. (p. 34) 318 W. 75th st., N. Y. City  
 Townsend, W. K., Prof. (pp. 20, 146) 148 Grove st.  
 Tracy, D. W., Jr. *s* 133 Wall st.  
 Tracy, J. C., Ass't. Prof. (p. 26) (131 WINCH.) 345 Winthrop av.  
 Treadwell, C. E., Jr. *a* 255 L.  
 Treat, W. H., *i m* Derby  
 Trenholm, A. L., Sr. *a* 68 v.  
 Tripp, C. D., Sr. *s* 96 Wall st.  
 Troostwyk, H., *mus.* 117 Park st.  
 Troostwyk, I., Ass't. Prof. (pp. 27, 155) (38 College st.) 117 Park st.  
 Troup, P., Sr. *l* 545 Orange st.  
 Trowbridge, M., Ass't. (pp. 37, 106) 333 York st.  
 Troxell, E. R., Jr., Jr. *s* 17 Hillhouse av.  
 Truett, E. P., Sr. *a* 441 FW.  
 Trumbull, D. B., Fr. *s* 413 Temple st.  
 Trumbull, J. F., g 132 Wall st.  
 Trusdell, H. H., Jr. *a* 297 Crown st.  
 Tuch, M., *i m* 269 Portsea st.  
 Tucker, C., Jr. *a* 63 v.  
 Tuckey, E. N., Instr. (p. 34) 23 Lynwood pl.  
 Tulin, A., Sr. *a* 403 B.  
 Tullar, E. C., g, Grad. *d* Seymour  
 Turkington, C. H., Sr. *s* 82 Wall st.  
 Turley, T. F., Sr. *l* 115 Dwight st.  
 Turner, D. B., Fr. *s* 389 Temple st.  
 Turner, G. W., Jr. *s* 124 Wall st.  
 Turner, H. M., So. *a* 22 College st.  
 Turner, J. A., Sr. *l* Bridgeport  
 Turner, S., Fr. *a* 357 WH.  
 Turner, W. J., *s for.* A.  
 Tuttle, C. P., Fr. *a* 217 Mansfield st.  
 Tuttle, E. H., g 217 Mansfield st.  
 Tuttle, H. M., Jr. *a* 290 w.  
 Tweedy, A., Sr. *s* 117 Wall st.  
 Twichell, J. H., Fellow Hartford  
 Twichell, J. H., Fr. *a* 357 WH.  
 Twining, K., Mid. *l* 314 Prospect st.  
 Twitchell, D. E., Jr. *l* 260 Crown st.  
 Tyler, F. O., Jr. *s* 124 Wall st.  
 Tyler, L. S., Jr. *a* 41 v.  
 Tyler, M. F., Treasurer (p. 20) (WOOD.) 33 College st.  
 Tyler, W. B., Sr. *a* 49 v.  
 Underhill, F. P., Ass't. (p. 37) 2 Hillhouse av.  
 Underwood, G., Jr., Fr. *a* 568 p.  
 Updegraff, D. B., Sr. *a* 467 FW.  
 Utley, F. B., Sr. *a*, *i m* 375 WH.  
 Vaile, L. F., Jr. *s* 113 Wall st.  
 VanBrunt, E. W., So. *a* 258 L.  
 VanBuren, A. W., g Rome, Italy  
 VanCampen, B., So. *a* 348 WH.  
 Vance, C. E., Sr. *s* Ansonia  
 Vanderbilt, C., Trustee P. M. (p. 496) 100 Broadway, N. Y. City  
 Vanderbilt, F. W., Trustee S. S. S. (p. 192) 459 Fifth av. N. Y. City  
 VanderPoel, S. O., Jr., Sr. *a* 65 v.  
 VanDeventer, H. B., Sr. *a* 32 v.  
 VanDyke, D., Sr. *a* 455 FW.  
 VanGroos, J. A., g 133 Main st.  
 VanKirk, C. H., Jr. *s* 132 Wall st.  
 VanName, A., Librarian (p. 18) (LIBR.) 121 High st.  
 VanName, W. G., Ass't. (p. 37) 121 High st.  
 VanNatta, A. Z., Sr. *s* 126 Wall st.  
 VanReypen, W. K., Jr., So. *a* 22 College st.  
 VanTassel, C. B., Fr. *a* 420 B.  
 VanTassel, E. S., Sr. *a* 450 FW.  
 VanWagenen, G. B., Fr. *a* 248 York st.  
 Vedder, H. L., Sr. *s* 131 Grove st.  
 Verdi, W. F., Ass't. (p. 37) 172 St. John st.  
 Vernam, A. H., Fr. *s* 125 High st.  
 Verrill, A. E., Prof. (p. 19) (15 M.) 86 Whalley av.  
 Vestling, A. E., Sr. *a* 128 Wall st.  
 Vietor, G. F., Jr., So. *a* 438 FW.



- Vietor, J. A., Fr. *a* 250 York st.  
 Viles, B. S., Spec. *s*, Jr. *for*. 74 Lake pl.  
 Vincent, L., Sr. *s* 53 Prospect st.  
 Visanska, E. L., So. *a* 209 D.  
 Vogenitz, O. C., *mus.* 57 Daggett st.  
 Voigt, R. A., Fr. *s* 409 Temple st.  
 Vollmer, J. W., *i m* Norwalk  
 Waddell, C. J., Sr. *a* 51 v.  
 Wade, G. G., Jr. *s* 82 Wall st.  
 Wade, G. H., Spec. *s* 119 Wall st.  
 Wade, J. A., *g*, Grad. *d* Cheshire  
 Wagner, C. P., *g* 201 Bishop st.  
 Wagner, H. G., *g* 40 Pearl st.  
 Wait, J. R., Sr. *a* 16 v.  
 Wait, W. B., Jr. *a* 347 WH.  
 Waite, J. B., So. *a* 226 D.  
 Waite, R. L., Fr. *s* 126 Wall st.  
 Wakefield, F. N., Fr. *a* 80 s. M.  
 Wakefield, R. B., Sr. *a* 393 B.  
 Wakeman, H. R., Jr. *s* 130 Wall st.  
 Walbridge, L. K., So. *a* 22 College st.  
 Walbridge, W. K., *g* 137 College st.  
 Walcott, H., Fr. *a* 313 York st.  
 Walden, P. T., *Ass't. Prof.* (p. 27) 162 s. L.  
 Waldo, C. I., Fr. *a* 242 L.  
 Waldo, O. H., Jr., Fr. *a* 242 L.  
 Waldron, G., Jr. *l* Wallingford  
 Waldron, W. D., Sr. *a* 336 WH.  
 Wales, H. W., Sr. *s* 131 Grove st.  
 Walker, C. H., *Proctor* 562 P.  
 Walker, H. E., Fr. *s* 152 Grove st.  
 Walker, J. H., Jr. *l* 287 York st.  
 Walker, M. M., *f* 162 York st.  
 Walker, R. S., Mid. *l* 333 York st.  
 Walker, R. W., Sr. *a* 443 FW.  
 Walker, W., *Prof.* (pp. 22, 292, 410, 424) (607 E. D.) 281 Edwards st.  
 Walker, W. B., Sr. *a* 458 FW.  
 Wallace, A. S., *t* West Haven  
 Wallace, H. M., Sr. *a* 457 FW.  
 Wallace, M. L., *g* A.  
 Wallace, W. F., Sr. *a* 6 v.  
 Wallbridge, W. K., *Ass't.* (p. 37) 137 College st.  
 Waller, J. R., Jr. *l* 130 Wall st.  
 Wallis, J. H., Fr. *a* 130 Wall st.  
 Walsh, T. J., Jr. *s* 61 Prospect st.  
 Walters, W. A., Fr. *a* 523 P.  
 Walton, F. E., Jr. *a* 326 w.  
 Walton, H. A., Fr. *a* 238 York st.  
 Wang, C. H., Grad. *l* 254 Crown st.  
 Ward, A. A., Sr. *a* 83 s. M.  
 Ward, A. C., Jr. *s* 96 Wall st.  
 Ward, A. G., *Instr.* (pp. 34, 110) 571 P.  
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